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It is the duty of computer repair service-providers to ensure the safety of their technicians, by giving them intensive safety-training and enforcing strict safety norms within the repair premises and the customer's location and appropriate insurance coverage for injuries/damage caused in the workplace or while the technician is carrying out his professional duties elsewhere. Periodic refresher courses, safety drills and tests are a good way to ensure safety. At no time should the technician's or the customer's safety be compromised. Protecting valuable equipment is also crucial in this business.

A fundamental principle is to have the right set of tools for the job. You will have prior information about what the issue is, so always come prepared with the right kind of screw-drivers, etc.

Working with the computer means working with high-voltage electricity and possibly damaged components, faulty cabling or wiring, hence another rule to follow is to power off all systems completely before attempting to open up the computer. This will ensure your own safety and also not damage the customer's premises or computer systems.

Keep all your senses alert. Apart from visually inspecting for damage, watch for burning smells or noises coming from the system. Try to locate the site of noise or burning. Rather than trying to repair a burnt-out part, it's always better to completely replace it, since collateral damage can occur with improperly repaired parts.

Many technicians forget to remove their watches, rings or other jewellery when they start work – these are potential hazards. Also while doing soldering work, one should always wear gloves, mask and safety glasses.

Before opening up the case, it's good to check whether the replacement parts are the right ones and whether they will fit properly. When installing new processors, you may need to check whether the existing fan-cooling will work properly. Many technicians tend to forcefully push new parts into place. This could damage the part and also prevent it from working properly. Going through the systems specs and component specs carefully before you install can save you a lot of time and money.

Assembled units may be crudely constructed in terms of casing – there could be sharp edges and metallic parts which can cause injuries when you're opening up the casing.

Static is another factor to remember when opening the casing – besides being annoying and painful, it can cause real damage to inner circuits of the computer. Clearing accumulated dust with a small hand-held vacuum cleaner is a good practice.

Cleaning up thoroughly after the work is done is the final step.

Following these basic tips is essential for a good repair-service provider.

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