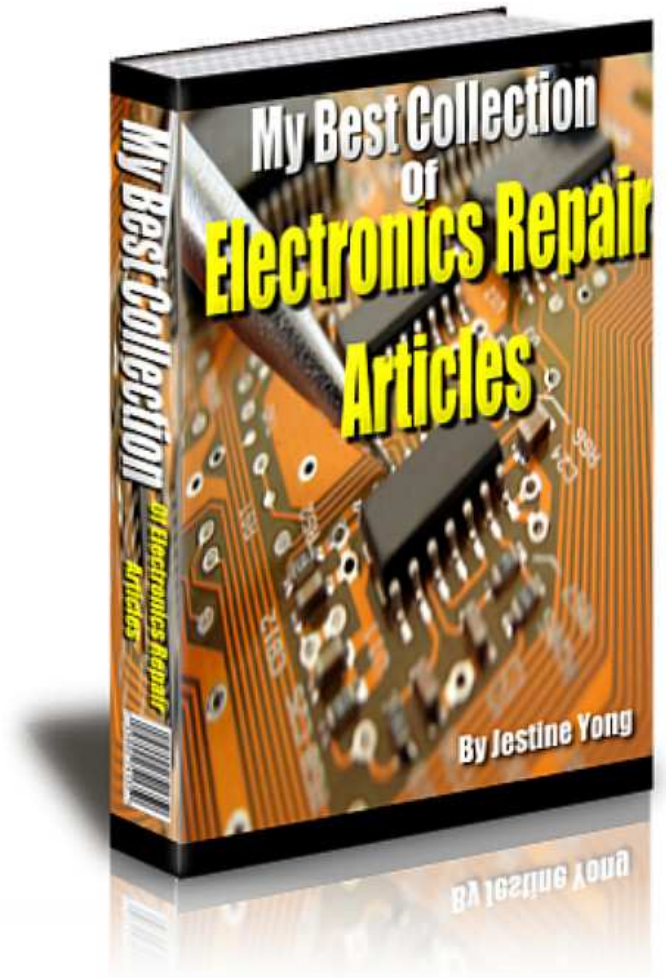
Preview of the ebook

My Best Collection Of Electronics Repair Articles



Brought to you by Jestine Yong

http://www.ElectronicsRepairArticles.com

Content

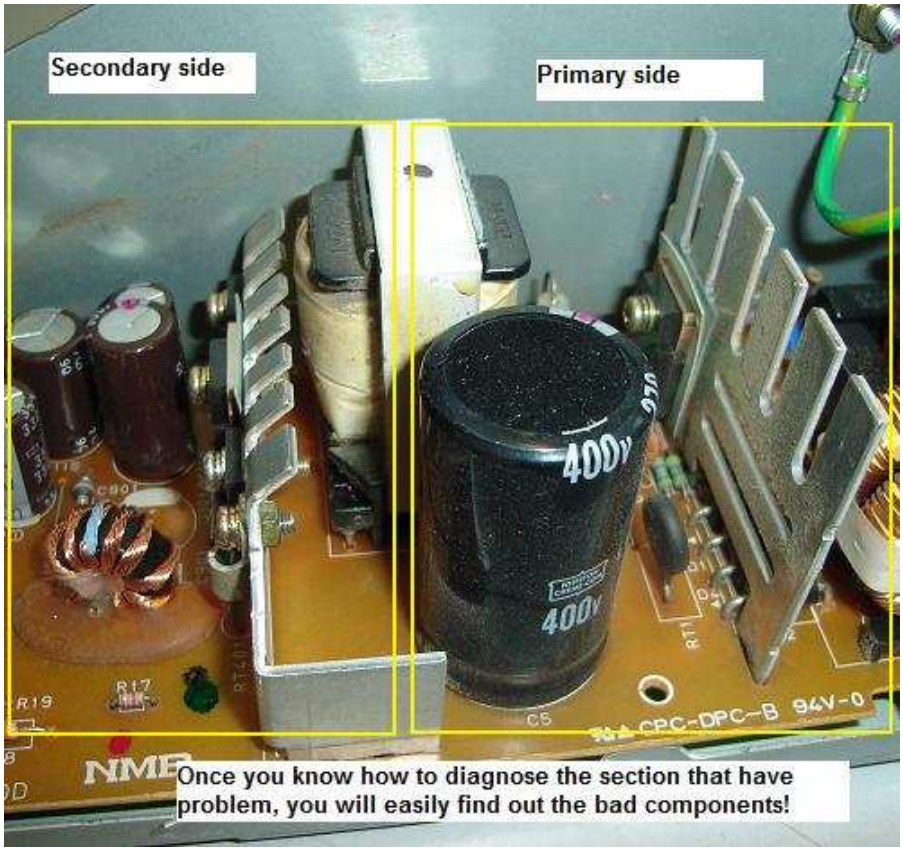
Preview Page

Page 7

The Importance On How to Diagnose A Problem In Electronic Circuit

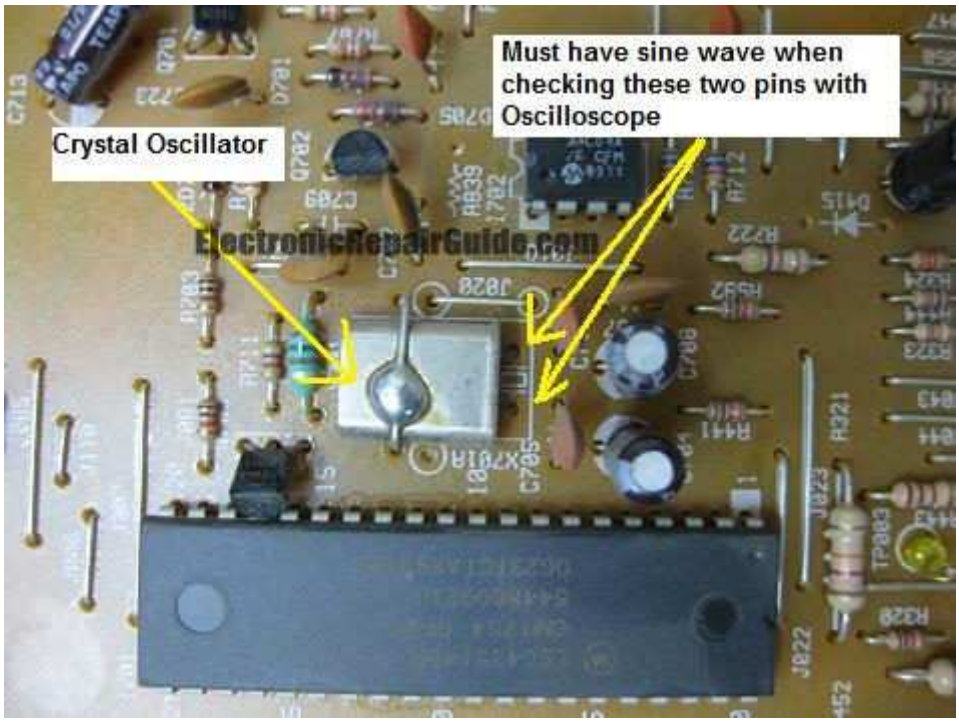
I have received lots of emails from my members or subscribers about how to troubleshoot a certain circuit but most of the emails are on the area of power supply. Some of the questions posed are “I have replaced these components but why it still doesn’t work”, “I have checked all the primary section components and why there is still no switching”, “The output power dropped to half, how to solve it?” and etc.

Let me share a secret with you. If you want to be successful in electronic repairs and solve a problem fast, you must learn how to diagnose a problem first! No matter what type of electronic equipment you are repairing you must first learn how to isolate and diagnose the problem so that once you have determined that a particular circuit is at fault, you then can use all your testing electronic components knowledge to find out the bad components; namely be it on power supply section or other sections like high voltage, horizontal, vertical, colour and etc.



The reason why you must learn how to diagnose a problem first is because ……

Question 3: Will the Crystal at the Microcontroller circuit cause problem?



Answer: Certainly- Not only it will not work (causing the equipment to stop working) but also could cause intermittent problem too just like any other electronic components. If using scope to test on the CRYSTAL pins and you still do not get the sine wave, chances is very high the CRYSTAL itself is the problem or it could be the Microcontroller IC or the corresponding components' fault. An intermittent Crystal in Monitor (LCD or CRT) could cause the OSD (On Screen Display) to suddenly appear after using for sometime and the OSD could suddenly go off too on its own without pressing any of the front panel control button

The best test to isolate Crystal problem is to use a freezer (coolant spray) together with a hair dryer.

Question 4: Could EEPROM IC cause problem in electronic equipment?

Answer: Yes, when the internal……..

To read the rest of the chapter of **"My Best Collection of Electronics Repair Articles"** (215 pages) please click on the link below:

http://www.ElectronicsRepairArticles.com

All the best

Jestine Yong