

LEADER'S GUIDE FOR DVD-41C

Through-Hole Rework

The Through-Hole Rework (DVD-41C) training / certification program has been developed to provide detailed guidelines and procedures for solder technicians involved in touch up and rework of through-hole connections. Following is a description of this IPC Training Certification program.

The program is divided into eight sections – including an introduction, rework tools and materials, methods of component removal (three sections), auxiliary heating techniques, rework of solder defects and lead free rework – accessible through the main menu interface at the beginning of the DVD.

All of the training and testing materials for this program are available for download over the Internet at: <http://training.ipc.org/dvd/41c/>
The URL for these download materials is also printed on the face label of the DVD.

These training support materials include *Review Questions* for each section of the video. There is also a twenty-five question *examination* and a printable certificate for students that score 70% or better on this test.

How to Use this Program

This video training program is designed for continuous play – beginning at the *Introduction* on the DVD – although the Main Menu can be randomly accessed to meet your specific review needs.

Optional English subtitles are also available, using the audio button on your DVD controller.

Below are our recommendations for how best to use the DVD and training materials to help insure that your students will pass the certification test.

Review

After you *play* each section of the DVD, stop the video when appropriate and reinforce any information or specific requirements that are important to you.

When you complete each section, you have the option of asking the *Review Questions* that are applicable to each subject. In discussing each question, the

group can develop a consensus answer. Or you can simply print out the questions and allow the students to answer them individually.

Test and Certificates

After you complete all of the sections, you can give the students the *IPC Training Certification Test* containing twenty-five multiple-choice questions. You may print as many copies of the *test* as necessary. Directions regarding how to take the test, how to mark answers, change answers, etc. are all provided on the first page of the test. Please review these directions with your students.

An *Answer Key* is also provided for grading the *test*. After you grade the tests, you may wish to return them to each student so they can review any incorrect answers.

A *color* version of an *IPC Training Certificate* is included on the DVD-41C download page. This .pdf certificate allows you to type in the names of all the students that pass the test - and print out individual color certificates. *Training Certificates* can be provided to students who obtain a passing grade of 70% (**18 correct answers**) or better on the final exam.

CEUs

In order to assign *continuing education units* to each student... measure the total training time in reviewing DVD-41C, group discussion and testing. Each one-hour increment of training translates into 0.1 CEU. Therefore, if you spend 2 hours in classroom training and evaluation, each student would earn 0.2 CEU. You may need to provide written documentation for student CEU records.

Thank you for purchasing this IPC training program.

Joel Kimmel
DVD-41C Producer