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Tutorial about the repair of MM.

We recommend to all who like to attempt in this experiment, that is not of easy resolution, and the medium time of the process made from a technical professional is of approximately of an half Hour. The procedure is carried out in four steps, and is made using of expensive equipments .

first step

Opening of the Magic Cam without create problems to the box of the Cam..



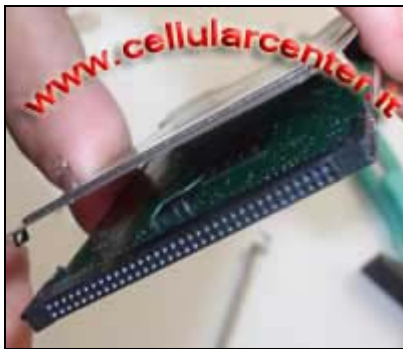
In order to open the Magic Cam insert it in a bitten and to hold it tight, to the ends with a clamp to small beaks.



With the clamp to small beaks very grip, like in the picture , to lower the tip (variable diameter from 0,8mm to 1,2 millimeter) of drill. The hole must be applied in correspondence of welding points . To come down very slowly making attention ,and not to pierce more than 4 millimeter otherwise is risked to damage the printed circuit inside! To carry out the hole on both sides of the Magic Cam.



In order to proceed to open of the metal box. This procedure must be made with the maximum caution in order to avoid of to brock the Cam. Put inside slowly a piece of blade of a cutter, like the image At this point, with a hammer to strike on the blade and with care to control that the cams part external it is detached, or already it has been detached (through the hole) .



Here the Cam at this point ,open . For take out observing the picture, to slowly move the module taking it ,from the extreme part of the connector. Once uncoupled the Cam take out slowly.

Second step Removal of the Flash Memory Toshiba.



To deposit some flussante in correspondance of the pin of the Flash memory Toshiba.



To remove with one dissaldant trace the pond deposited on the pin of the Flash Memory. To operate with a lot of care in the removal, in order to avoid to fold the Pin of the device. To remove the pond on both sides of the Flash Memory. This procedure is important to not have fake contacts in the insertion of the device on the programming hoof.



This is the most difficult point of the procedure, that it demands ability in relation of the pin and the device. To deposit ulterior flussante in the two ends of the Flash Memory, to insert a little clamp or a screwdriver with thin tip, under the device. turn on the air welder to the maximum of the power and with a little air jet (not to the maximum). To heat both sides of the Flash Memory and after approximately 30 second each side, it slowly it with the little clamp take attention not to fold the Pin.



To clean up with cure inside (with Nitro diluting or trielina) the the Flash Memory place, in order to facilitate of the successive welding after the programming.



To clean up with care the Flash Memory in order to facilitate the reprogramming with diluting nitro or the trielina helping yourself with a small brush. To operate very delicately in order to avoid to fold the Pin.

thrid step

Reprograming of Toshiba flash



To insert with care the Flash Memory on the programming hoof. Making sure that all the Pin touch correctly



To insert all in the programmer and to proceed to the cancellation and memory's riprogrammation . This procedure is variable from programmer to other programmer. The programming of the Cam happens inserting the original bios Firmware (DREAM LOAD) that it assures the following possibility to load the penta that you like



To weld the Flash Memory with some flussante and cleaning up accurately all ,with of diluting nitro or trielina.

Fourth

Closing of the Magic Cam, without to create problems to the body of the Cam.



Put, to that point, the module inside the aluminum box , making attention before proceeding to the reclosing that Smartcard enter . To Reclose all with a hammer and if is necessary with a drop of the Attack (401 for metals).

To heat all again,with the air welder .