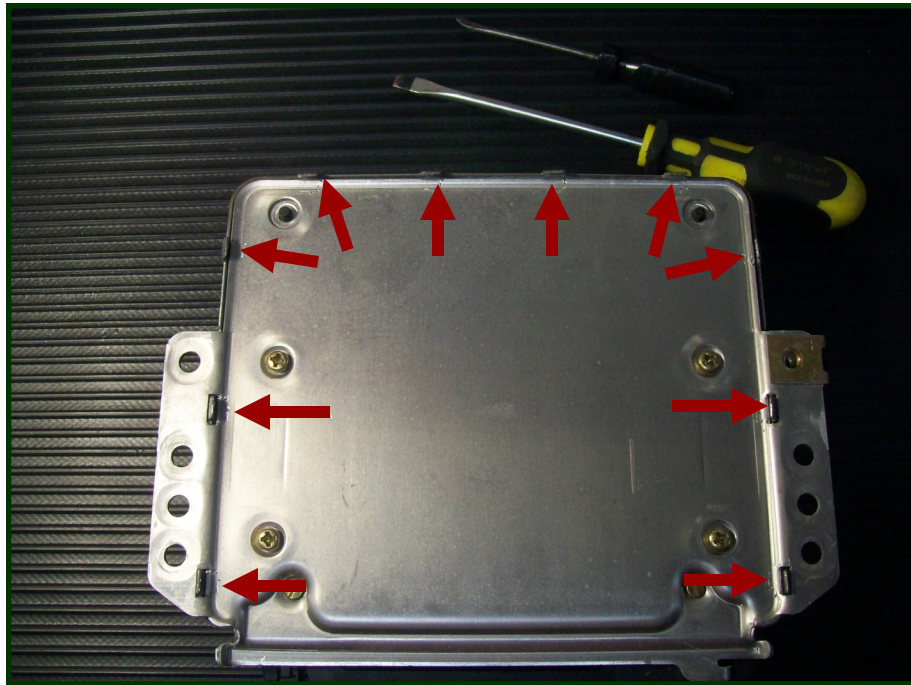
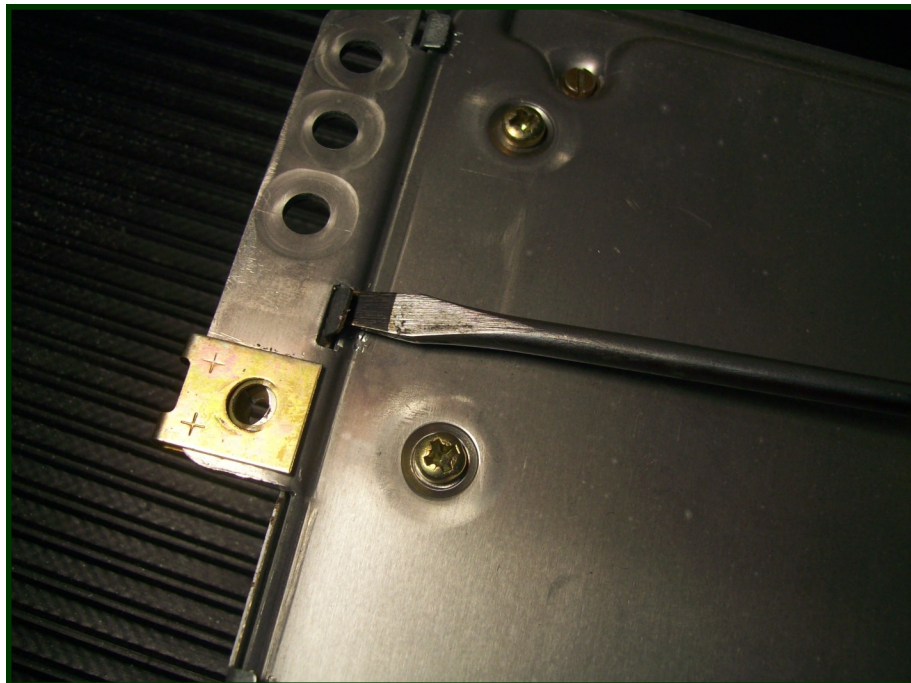


## 944 24 to 28 Pin DME Conversion Procedure

The following procedure outlines how to convert a 24 pin DME to a 28 pin. All our tunes require a 28 pin DME. De-soldering and changing things on the DME can be intimidating. Heat is the enemy of electronics, and improper soldering / de-soldering can ruin the wire traces on the DME board. Because we understand that many do not feel comfortable making the necessary modifications, you can send us your DME, we will convert it and send it back to you ready to go. This procedure is intended as informational only and is done at the owners own risk.



**Step 1** - Lay the DME as shown above and straighten the 10 tabs in the locations indicated.



**Step 2** - Using a flat head screw driver, get under the tab and bend them straight up.

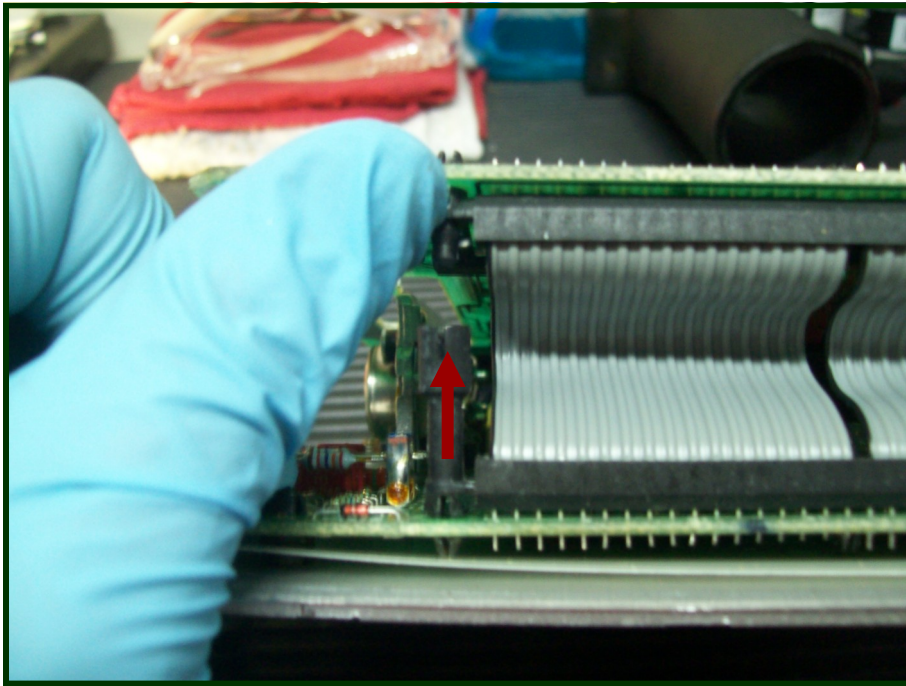


**Step 3** - When handling electronic equipment it is important to protect the components from ESD (electro-static discharge). An ESD wrist strap is recommended as shown above. These wrist straps are readily available online.

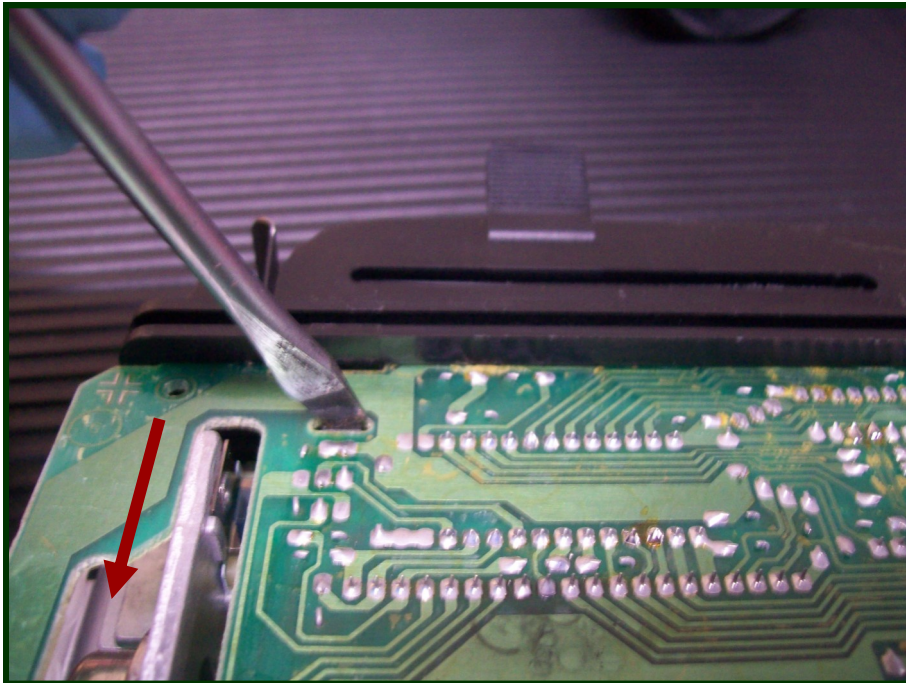


**Step 4** - Remove the cover from the DME as shown above.

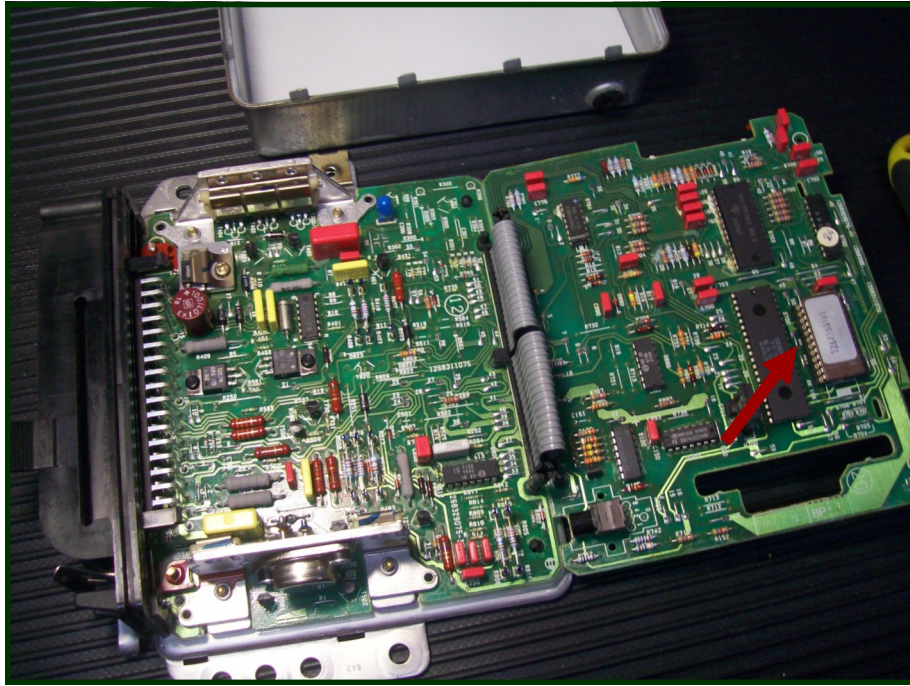




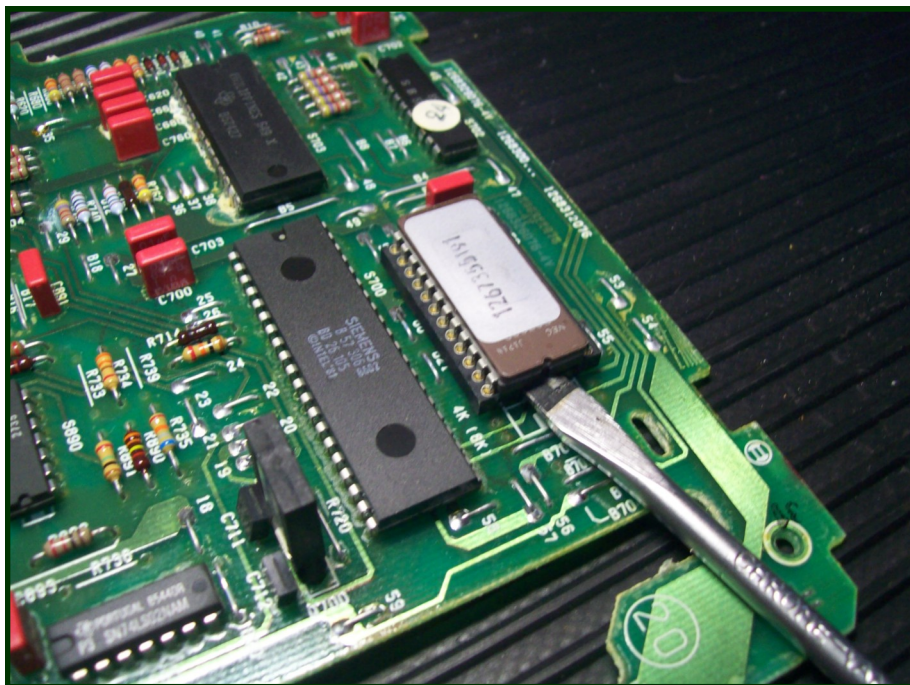
**Step 5** - Separate the printed circuit boards. Use your thumbs on both sides of the connector pushing up as shown to separate the connector posts that snap together.



**Step 6** - Gently push down on the "holding tabs" on each side of the top board while pulling back on the board as shown above.

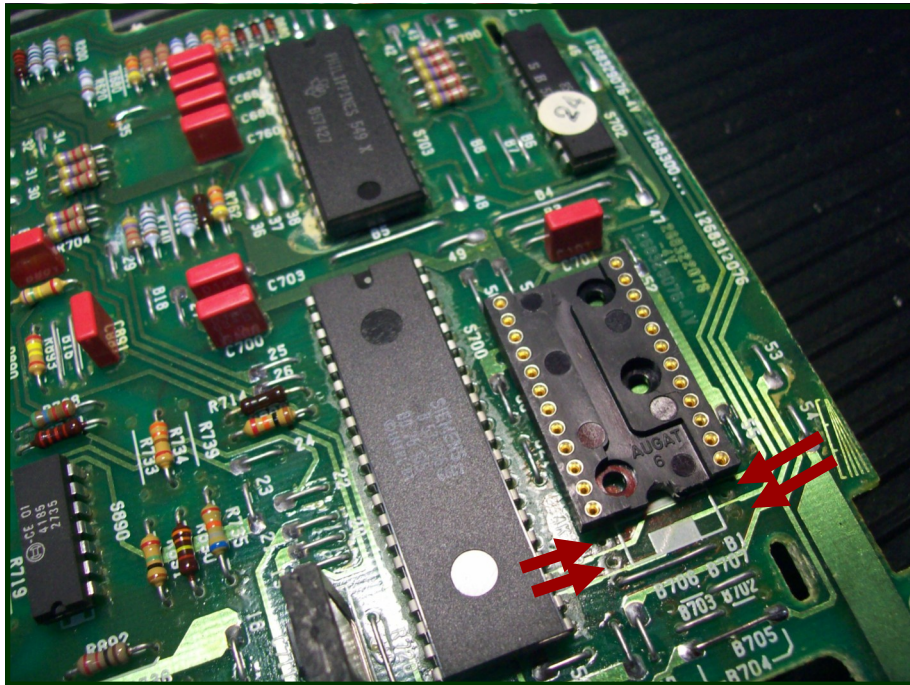


**Step 7** - Open up the printed circuit boards so that the components including the DME chip are exposed as shown above..

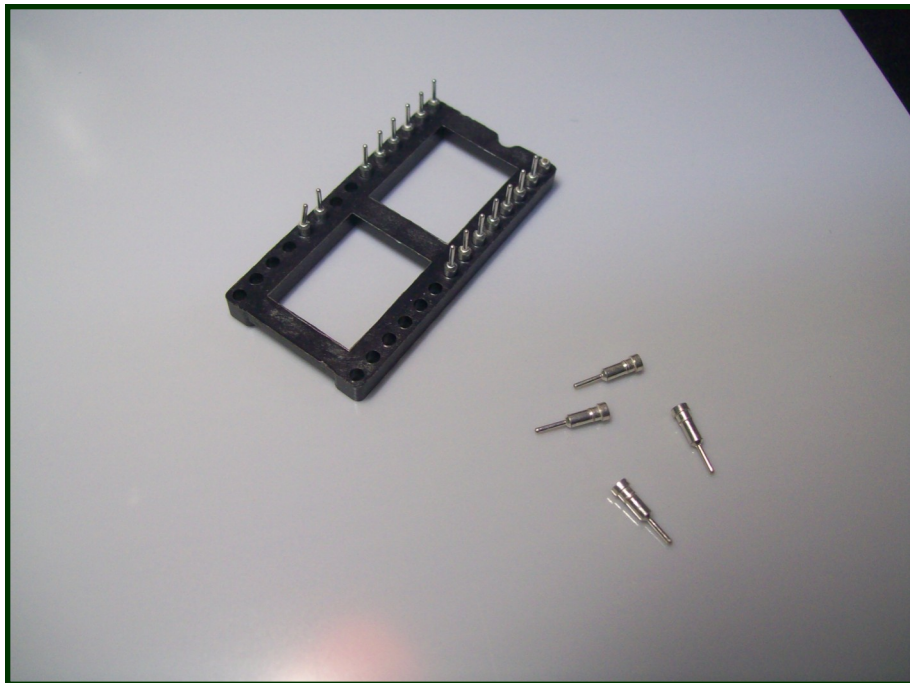


**Step 8** - Remove the DME chip by using a flat head screw driver. Place the blade beneath the chip at the socket and gently rotate the blade from side to side to work the chip out of the socket. Go back and forth between the two ends of the chip to bring the chip up as evenly as possible.

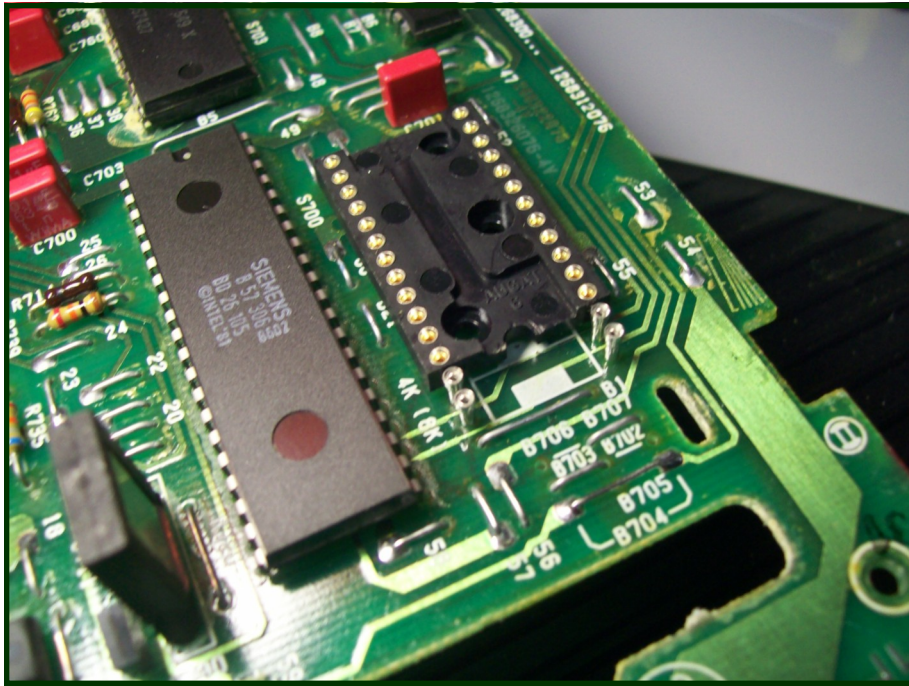




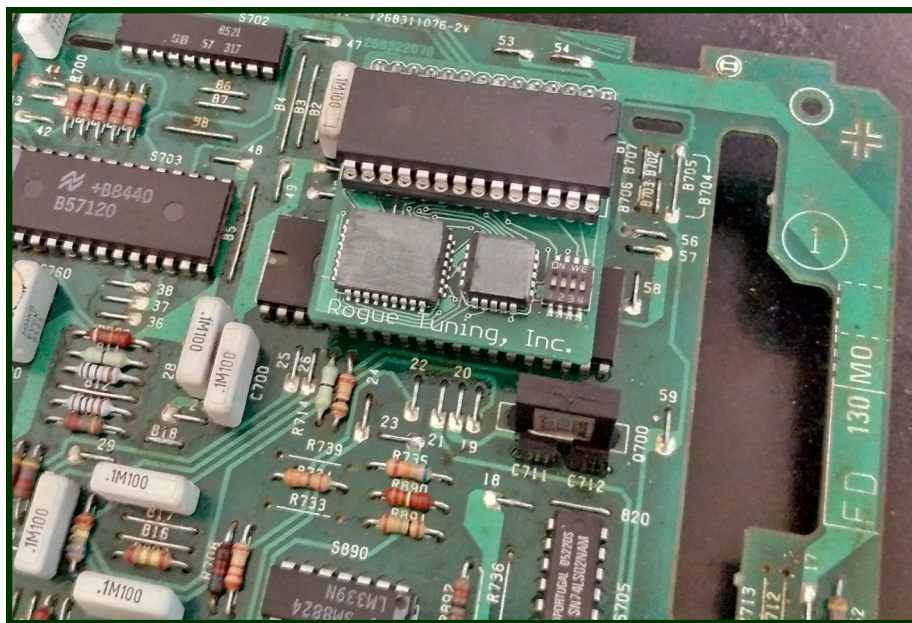
**Step 9** - With the chip removed we can see the four locations in which "chip pins" must be added as shown above.



**Step 10** - Chip socket pins will need to be obtained and are readily available online in the form of individual pins or sockets (and then pins can be removed)

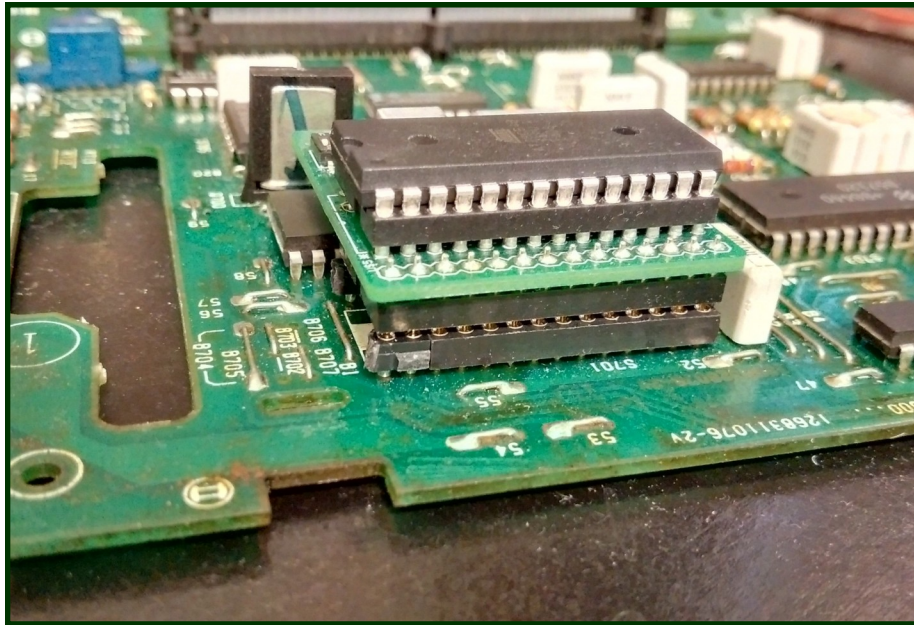


**Step 11** - Install the four additional socket pins. The pins are soldered on the back side of the board and need to be straight and level with the 24 pin socket as shown above.

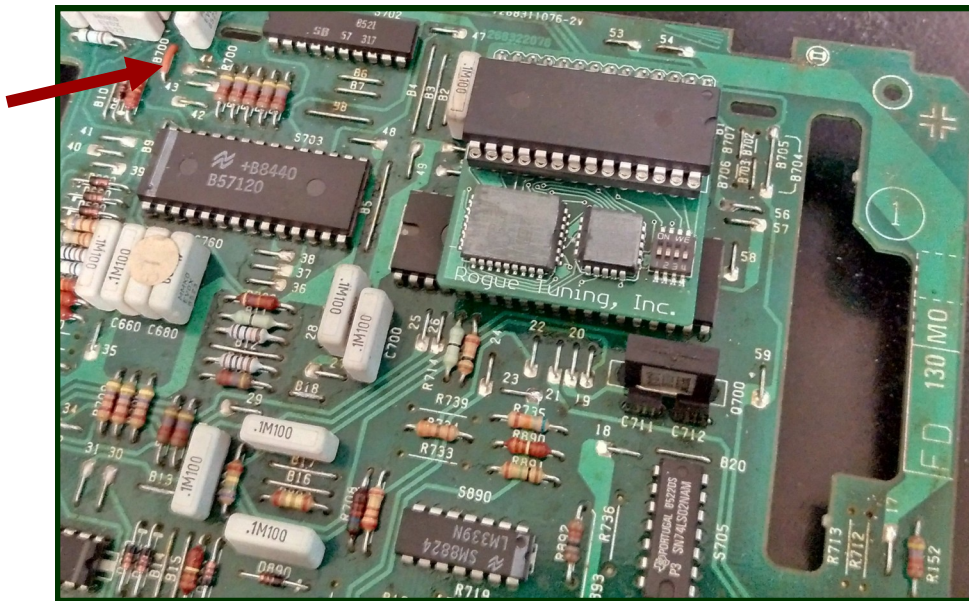


**Step 12** - Install the Rogue Tuning chip board as shown above. Notice the orientation of the chip board and make sure it is installed **EXACTLY** as shown.

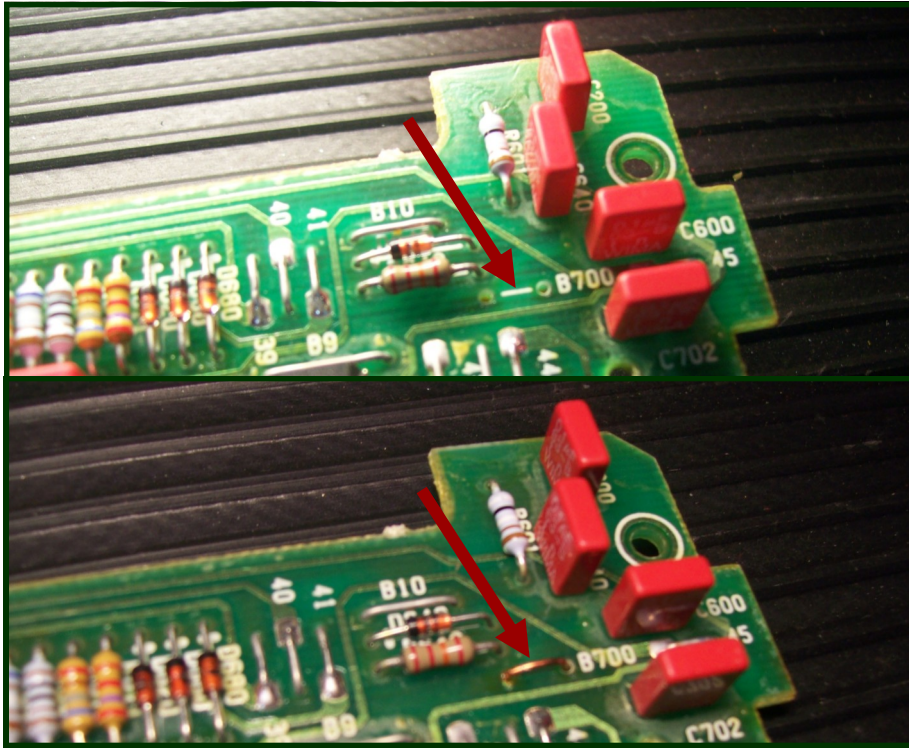




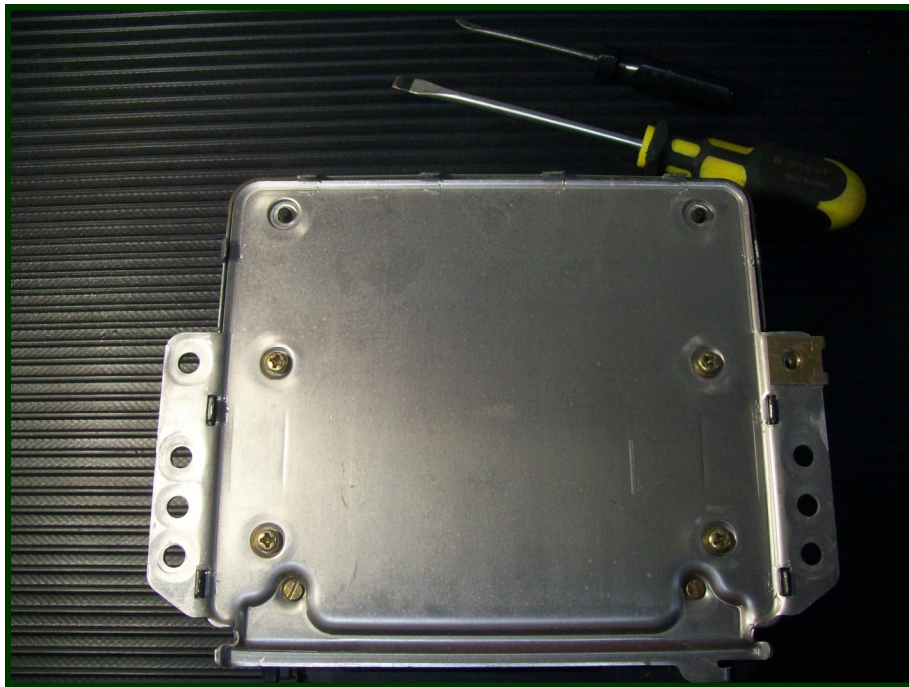
**Step 13** - Make sure the chip and chip board are fully seated as shown above.



**Step 14** - Add a jumper wire in the location shown above. Step 15 shows close up details for the jumper wire.



**Step 15** - Add the jumper wire as shown above. The jumper wire is soldered on the back side of the board.



**Step 16** - Re-assemble the DME using the reverse of steps for dis-assembly.