



How-Do-We-Do-That?

Rekeying DUO Cylinders

Not recommended

It is highly recommended to leave the combination of the cylinder intact. You will be so...rry when you remove the wafers and insert them in a different position to change the combination.

First prepare you DL 41W Blank. This blank will not go in the cylinder; you need to shave on both sides of the blank. The total of the blank is .340" after shaving it will measure .245".

Insert modified blank in the cylinder plug. Leave this blank in the cylinder plug, remove the fasteners from the back and, with the modified blank holding in place, remove cylinder plug from shell.

Observe the wafers in this plug. You will find two drill resistant steel plates in the front of the plug. Those steel plates are your keyway. They are not spring loaded. Be careful the slide out very easy. Hold your thumb and index finger over the wafers for holding them in place while working on the plug.

Depending on the way you holding the plug you will see on one side four wafers which are wider on the top plus you see the machined indent for holding those wafers, those wafers are with the same configuration as the first two steel plates, the keyway. (I have the feeling there must be other keyways). There are a total of ten combination wafers. Seven of those wafers are inserted from one side into the plug body the other seven wafers are inserted form the other side of the plug. Some of the combination wafers are working together with the keyway wafers. Each group of two wafers use

one spring to get the spring movement between the two wafers.

Within the combination wafers you will have four (for two positions) combination wafers, which includes the position for the side milling on the side of the key and on the tip.

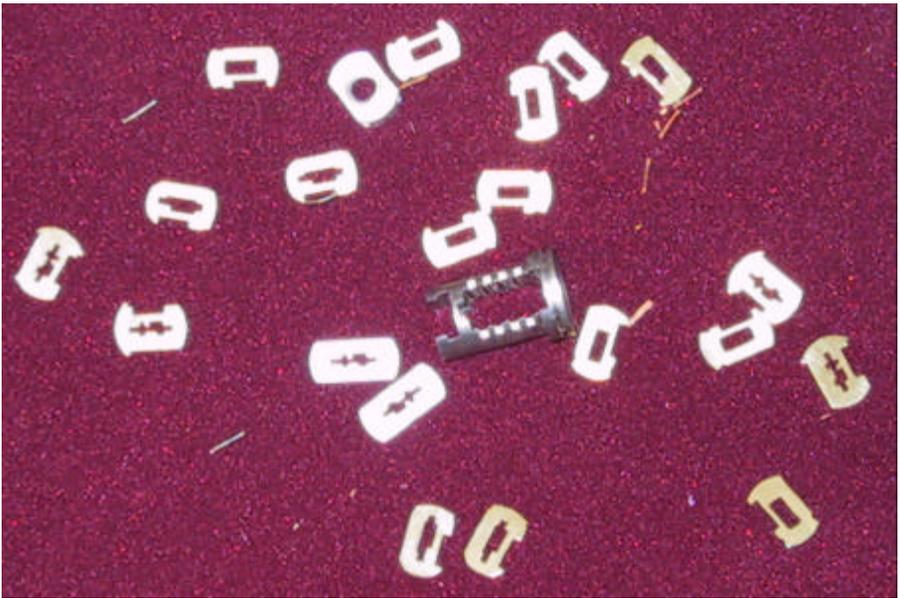
With the cylinder I was working on, I could with a little bit of gentle force get a small indent to mark the place where the side milling is needed. Only in my case it was enough to get the key working.

With the blank still in the plug you can now read the cut combinations of each wafer in this plug. Hold a non modified blank against this plug and observe where you need to file to get the necessary combination cuts.

Of course it is possible to change the combination and place the side milling wafers in a different position.

If you do you will agree with me you will not do it a send time.

During working on the plug you have seen at the back of you plug a slide. This slider is replaceable if you need to use the plug for a different application.



You can call it an exploded view above.



From left to right;
 Profile plate 2
 Combination Wafer 8
 Combination & Side Milling Wafer 4
 Profile Wafers 4

First 2 Profile wafers are not spring loaded.

The next two wafers are combination wafers and use one spring between them.

The Profile wafers go only in the plug from one side, each of those wafers work with a combination wafer or a combination & Side Milling wafer. Each group of two wafers use one spring.



