TURBO DECODER HU101 USER MANUAL INSTRUCTIONS

Turbo decoder HU101 full info about use, opening procedure, code reading.

parts of turbodecoder hu101

Turbo decoder parts

- key profile – this Turbo decoder has an HU101 / silca identification code / key profile. And so is able to unlock door and ignition locks on Ford, Range Rover, Land Rover, Volvo and Jaguar vehicles

- sliding pins – sliding mechanical components necessary to unlock and decode the locks mounted on JLR cars

- pin bar – on each side of the decoder we have mounted pin bars for inserting the instrument in and extracting it out of the locks

- tension wheel – round front segment of the turbo decoder handle to use for applying tension forces / left & right /

- pin activator wheel – it is connected with the pin bars to command them in open or closed positions

- turbo wheel – the back wheel of the tool handle which makes rotational/circular movements. It also puts the pins in action during the opening procedures.

Lock orientation

Clean the lock with some light oil spray such as WD40 to ensure free lock wafers movement!

To discover the lock orientation you need to use your turbo decoder tool. First rotate the turbo wheel to the right, then push the pin activator wheel all to the front. Now you can insert the decoder into the lock. Take the decoder for the ring on the pin activator wheel and insert it carefully into the lock. It is not necessary to force the tool, it will enter if the lock is in good mechanical condition.

Now pull back the pin activator wheel only and apply rotational force on the tension wheel to the left. In this moment start to rotate the turbo wheel to the left too and feel the rotation. It will be easy with no resistance and in some point you will feel a resistance on it. Note where its line points to in the moment when the resistance begins. IF the line of the turbo wheel is before the first stop sector then your orientation is good and you can start the opening procedure. If the line is after the first stop sector, please turn the turbo wheel all to the right , push to the front the activator wheel and extract the decoder from the lock, then reverse it and insert again. Now your tool is orientated correctly.

Opening procedure

To open the lock please pull back the pin activator wheel, force the tension tool to the right and rotate the turbo wheel to the left till its line match to the first stop sector. Turn back the turbo wheel to the initial position, i.e. all to the right. Loose the tension force on the tension wheel and check the lock. Now apply force to the left of the tension wheel, then repeat

the rotation with the turbo wheel up to stop sector 1. Go back and loose the tension. Repeat these steps 20 times.

If the lock is not open please increase the rotating of the turbo wheel to the second stop point. All the rest is the same, only the stop point is changed from 1 to 2.

Do the same for another 20 times and if there is no result – eventually stop at sector 3 and repeat for 20 more times.

In some moment the lock must be opened. Usually we open the locks at the second stop sector but of course this depends on the operator abilities or the lock code configuration.

Decoding JLR locks after opening them with this Turbo decoder

If you need to decode the lock you just opened with your tool please follow the instructions:

Once your tool has turned the lock and it can be opened please do not remove the tool. Keep the lock turned left or right /but not in neutral/. When you are in this position please rotate the turbo wheel all to the left /its line will point stop sector 3 /. Leave it there and jiggle the tool by following the plane of the key profile. Then turn the turbo wheel all to the right, rotate the tool in the neutral lock position, push forward the pin activator wheel and extract the tool from the lock.
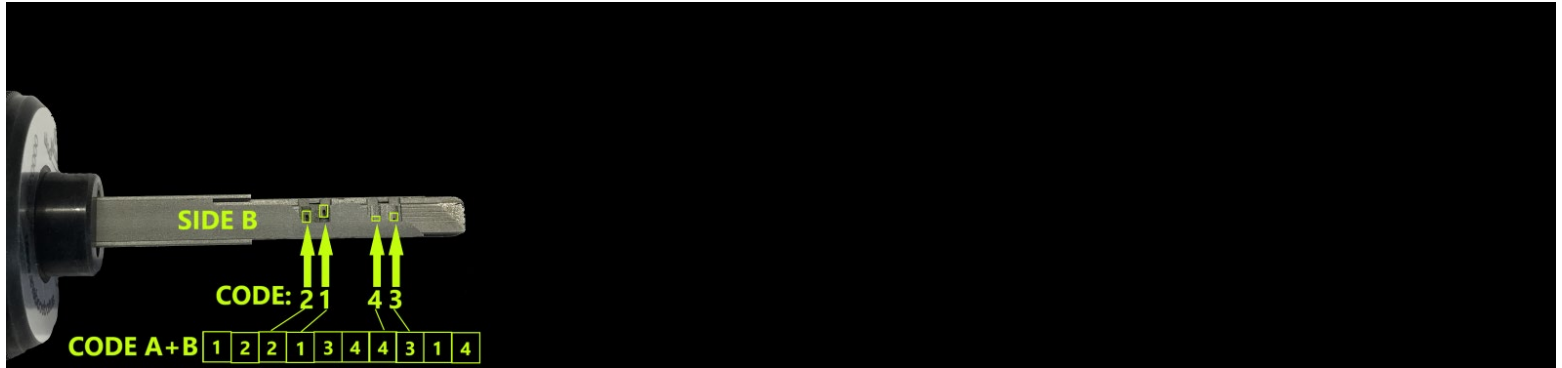
With the Turbo decoder out of the lock please pull back the pin activator wheel / pins become visible / and afterwards rotate the back wheel up to sector 3.

Now look at the pins, calculate the pin depths and by following side **A** and side **B** order write down the discovered code. This is the mechanical code you need to cut a working mechanical key by inserting it in CNC locksmith machine.

EXAMPLE OF CODE READING:
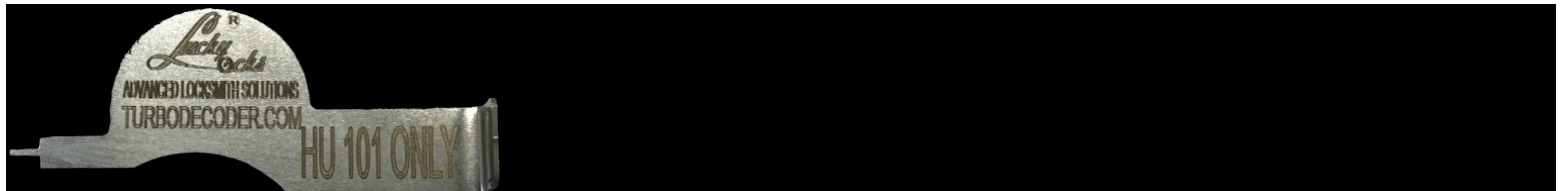
SIDE A READING CODE – 123414

SIDE B READING CODE – 2143

THE LOCK CODE IS: 1221344314

Resetting

After the code reading you have to reset your sliding pins. This is necessary if you want to open another lock. Resetting procedure can be completed ONLY WITH SET UP DEVICE HU101.

Correct way of resetting:

Push the pin activator wheel to the front, rotate the turbo wheel all to the right and then inject the calibrated needle part of your set up device into the hole which is located under each pin on the edge of your key profile. There are 5 holes on each side. When you inject and push the resetting device the point of its needle will slide the pin and will stop automatically when the pin arrives to its start position. Now your tool is ready to open another HU101 lock.