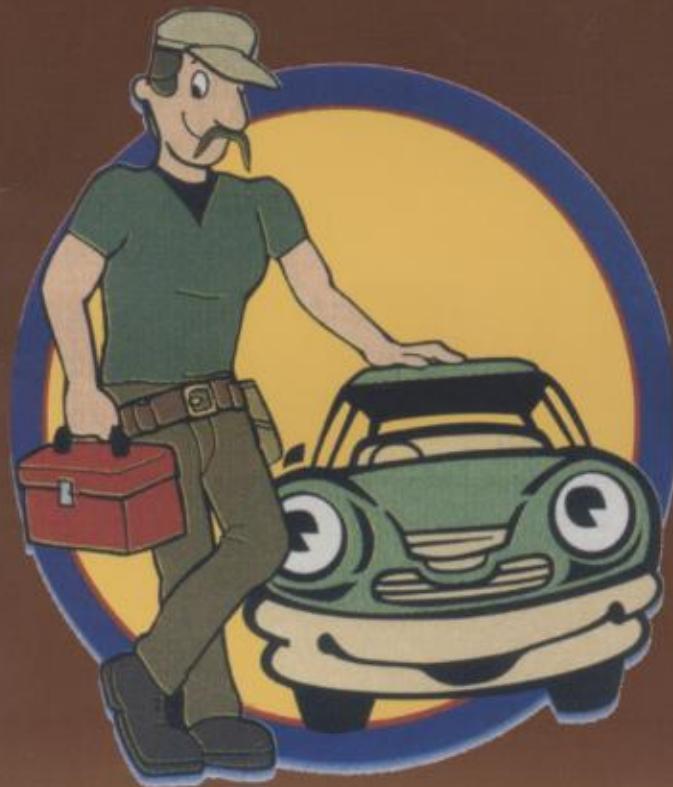




2 in 1 User Guide



Understanding how the
Smart 2 in 1 tools interact
with the locks when
Picking and Decoding



THE most important thing to remember when picking locks with the 2 in 1 tool is:

If it moves ... leave it alone !!!!

This means ... if the wafer You are touching with the feeler on the tip of the lever arm feels springy or (bouncing) then leave it alone and come back to it.

If the wafer is solid to feel with the lever arm, then it needs to be picked.

You will find that once You have picked the solid wafers, the ones that were previously springy, may now be solid and need to be picked.

Also remember that when the wafer has been picked, it will now feel springy, if it does not, then either ... you haven't picked it far enough OR you have over picked it and it is now trapped on the shear line and you will have to release the tension to release the trapped wafer.

Some locks require a very light turning tension otherwise they will clutch AND the More you force the lock with more tension, the more it will clutch so much easier as the clutch and wafers wear.

LOCKSMITH TOOLS

Which way to Decode the lock?

ALL High security (laser type locks) with a SINGLE lever arm will decode in the OPPOSITE direction to the way the lock was picked.



On **SOME** double sided locks (non-laser type locks) this may or

may not be the case, they MAY pick and decode in the Same direction ... this is shown on the information page of each lock.

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No liabilities are taken by the author for the use of the information contained within this book, techniques used are the sole responsibility of the user.

In some cases, worn locks may read between the scale lines, if this is the case I find it better to cut the key to the higher cut and progress down if necessary.

I always run the numbers I get through Instacode to see if it is a genuine code. Sometimes if the lock has been replaced, it may be an after market (non genuine) and therefore may not even be a legitimate code.

It is a good idea to draw yourself a grid similar to the ones shown, this will make it much easier to write down the numbers as you decode the lock.

	1	2	3	4	5	6	7	8
A								
B								

1	2	3	4	5	6	7	8	9	10

Most of the time the "TOP" of the key blade is Axis "A"
BUT sometimes it is shown in Instacode as Axis "B"

The top of the Key blade can also be shown as "Left"

Spacing numbers are always taken from the shoulder end of the key (bow) and this is always "number 1" position.



If you find a mistake or have a constructive comment or criticism, please do not hesitate to contact me at:

OR, if you have a particular lock you would like to be added, please let me know and I will do my best to add it to the next Volume.

Smart 2 in 1 User Guide

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CY24 found on: Chrysler, Dodge and Jeep



Silca CY24

This lock has 8 spaces and 4 depths

Depth 4 is the deepest cut and number 1 is the shallowest cut

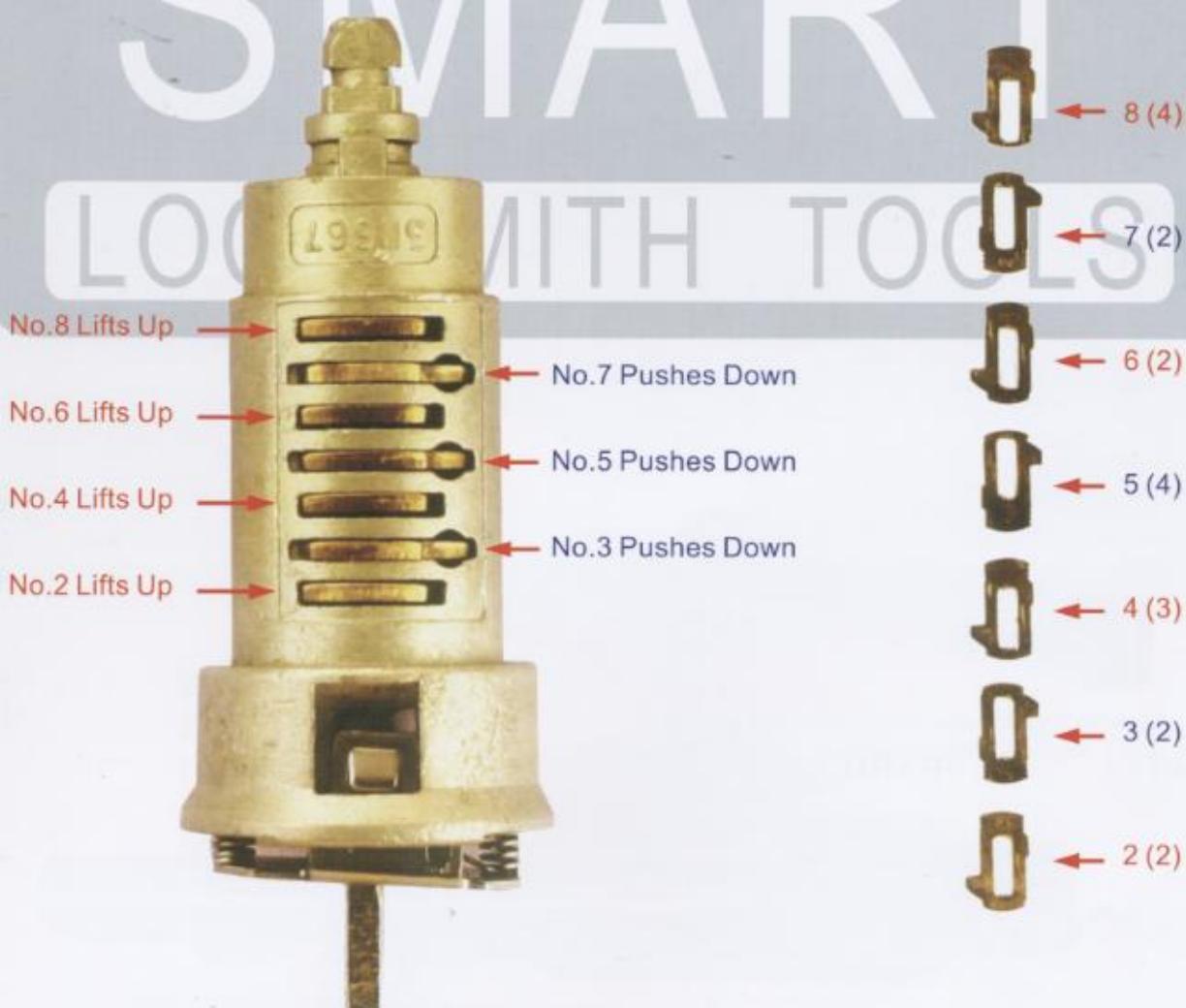
All wafers are stamped/numbered

Position 1 is not used in the door lock, so only positions 2 to 8 are marked on the tool

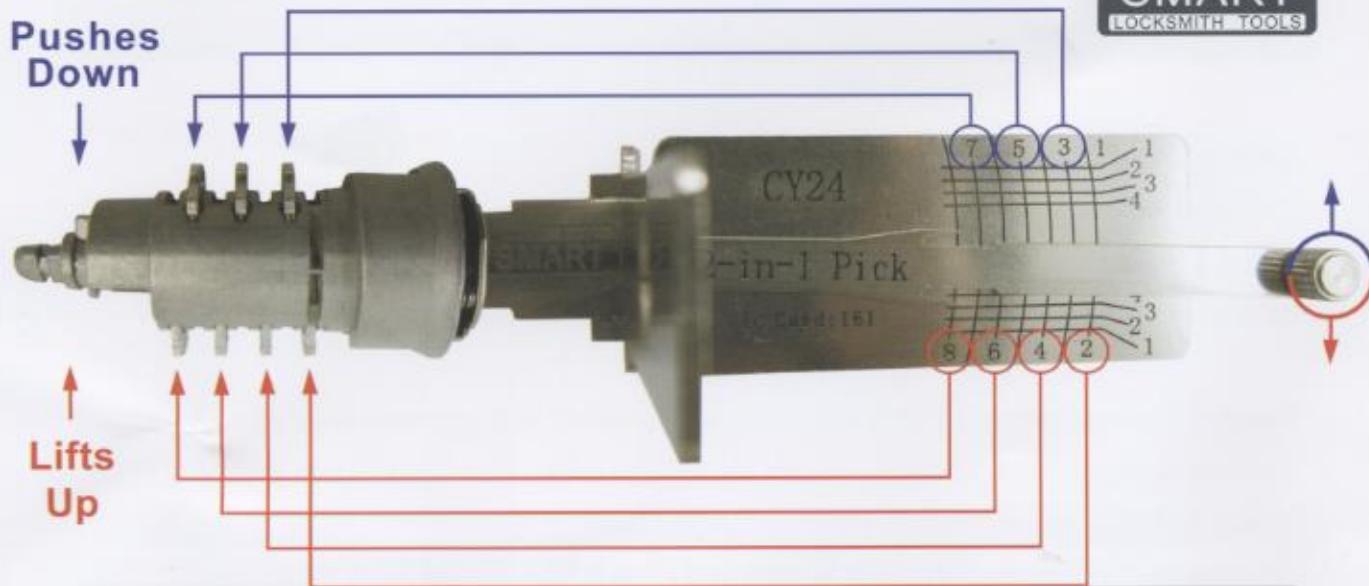
The tool is designed for IC Card number 161 ...Code series .. M1-M2168 and VN0-VN1999

This is a single lever arm 2 in 1 pick/decoder

To decode the lock read in the SAME direction as it was picked



AUTO
SMART
LOCKSMITH TOOLS



1	2	3	4	5	6	7	8
X	2	2	3	4	2	2	4

Enter known bitting values in corresponding positions



Enable advanced search features

Axis A: Depth Symbols (1, 2, 3, 4)

A

Bitting:	1	2	3	4	5	6	7	8
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

After running through Instacode,
it came up with only one code

Code	Bitting
M0425	32234224



Main key and special key which only use for
2 in 1 decoder and pick tool

1 2 3 4 5 6 7 8

3 2 2 3 4 2 2 4



Silca FO38R



FO38R found on: Ford, Lincoln and Mercury

Generation 1 ... wafers in positions 1, 2, 3, 4, 5 and 6

Generation 2 ... wafers in positions 2, 3, 4, 5, 6 and 7

Generation 3 ... wafers in positions 3, 4, 5, 6, 7 and 8

All wafers in this lock were stamped/numbered

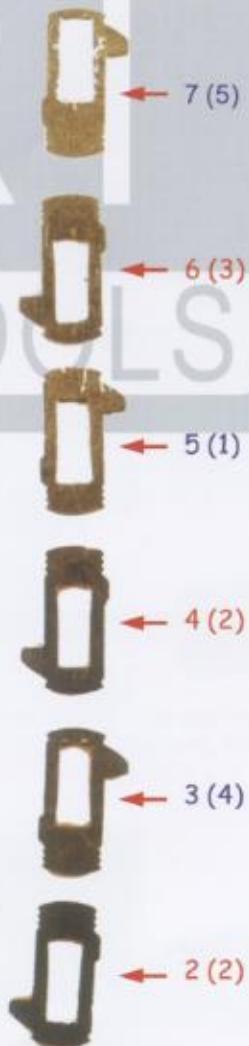
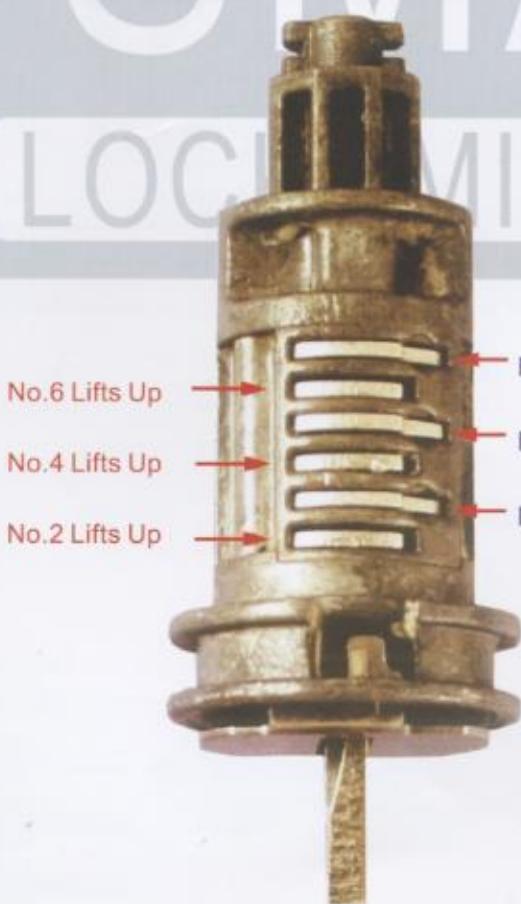
This particular lock is a generation 2 lock, with wafers in positions 2 to 7

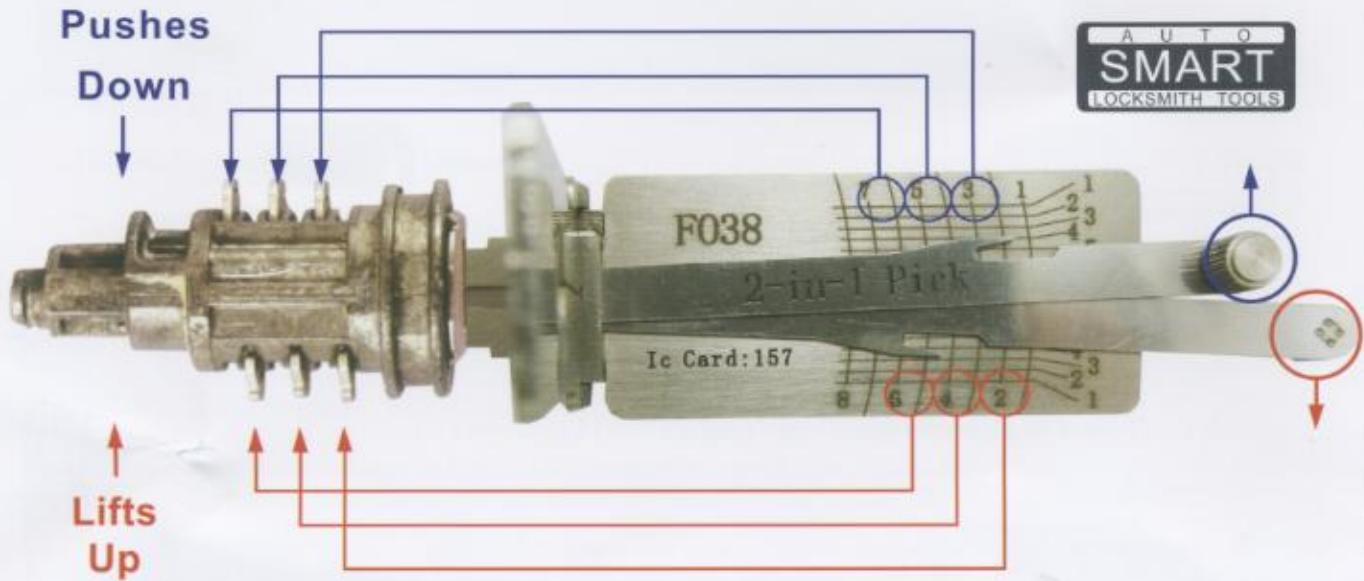
To Test... Insert the tool into the lock and (without tension) test each position to find which has a wafer in it, if there is a wafer ... you will feel the bounce

If you feel bounce in positions 2, 3, 4, 5, 6 and 7 and positions 1 and 8 feel dead ... then you have a "Generation 2" lock

Likewise, if you have a "Generation 3" lock, you would feel bounce in positions 3, 4, 5, 6, 7 and 8, and positions 1 and 2 would feel dead

To decode the lock read in the SAME direction as it was picked





AUTO
SMART
LOCKSMITH TOOLS

1	2	3	4	5	6	7	8
X	2	4	2	1	3	5	X

Enter known bitting values in corresponding positions



Enable advanced search features

Axis A: Depth Symbols (1, 2, 3, 4, 5)

A	1	2	3	4	5	6	7	8
Bitting:	<input type="checkbox"/>	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/>
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

After running through Instacode,
it came up with only one code

Code	Bitting
1031X	12421353



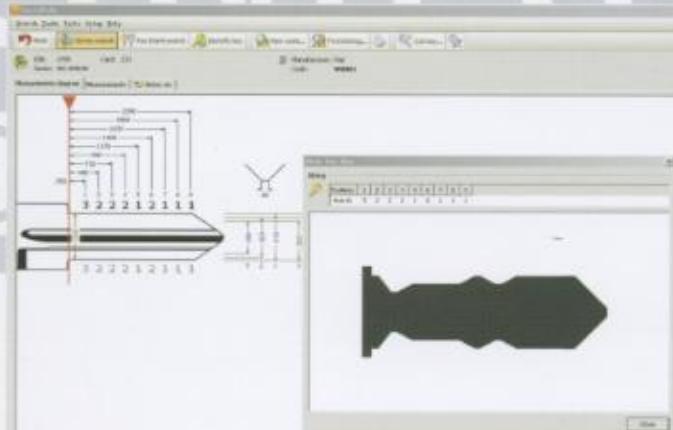
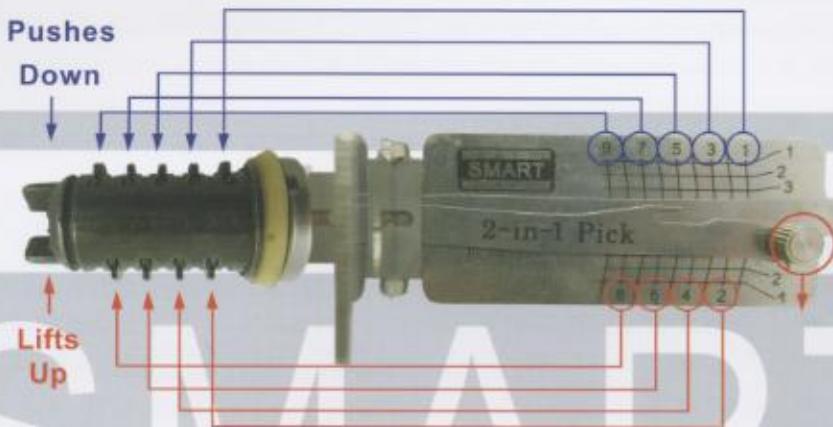
Main key and special key which only use for
2 in 1 decoder and pick tool

1 2 3 4 5 6 7 8
1 2 4 2 1 3 5 3





Silca GT15





Fiat GT15 2 in 1 decoder and pick tool user manual

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These products by internationally renowned locksmith master himself identification and tested.

These products are the world's leading the locksmith intelligent tools for unlocking

Detail for Fiat GT15 2 in 1 decoder and pick tool as follow:

Open sequence:

First enter the working part of 2 in 1 decoder and pick tool into the button of Lock cylinder , then unfold the driven Lever of 2 in 1 decoder and pick tool.

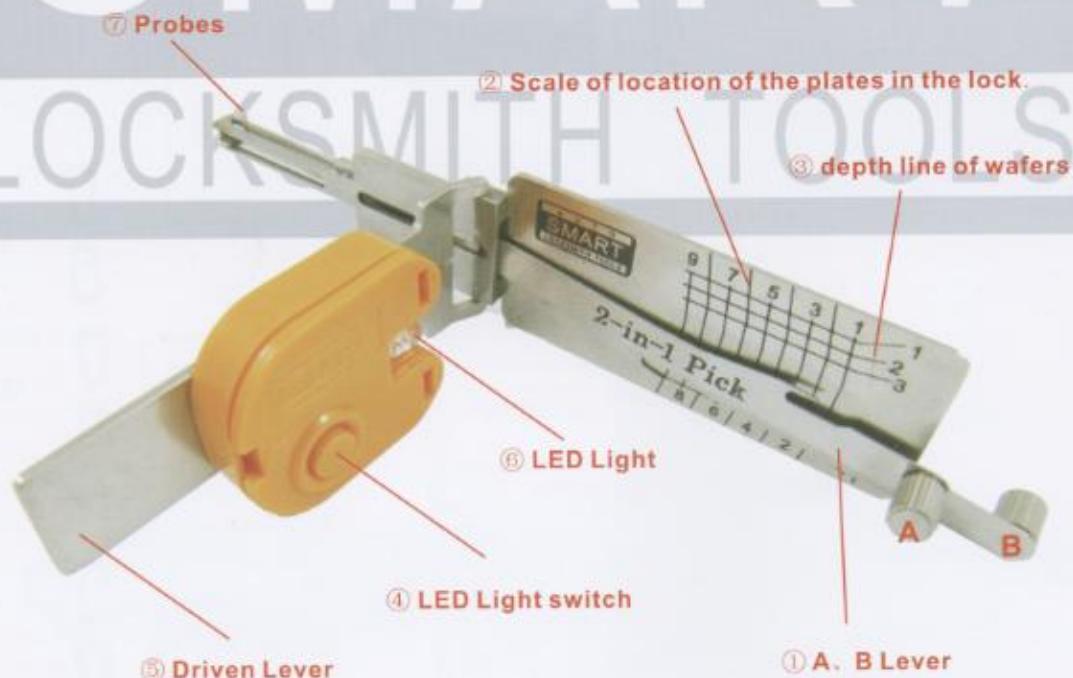
First of all pick the Side "A" 1、3、5、7、9 wafer. Then pick Side "B" 2、4、6、8 wafer till the lock be opened.

Decoder sequence:

First read the Side "A" 1、3、5、7、9 wafer, then read Side "B" 2、4、6、8 wafer. After finish reading then use the key cutter to cut the special key which only use for 2 in 1 decoder and pick tool.

Finish all cutting then an unbroken key have been made and it can use for open the lock.

Fiat cars Series



Main key and special key which only use for
2 in 1 decoder and pick tool

HON66 found on: Honda and Acura



The first 4 spaces in this door lock have split wafers and position 5 is a one piece wafer

Position 1 in this lock is read ONLY by the "B" side of the decoder..... Side "A" will not pick or read anything in this position

Side "A" does not pick or decode in positions: 1, 5 and 6

Side "B" does not pick or decode in position 6

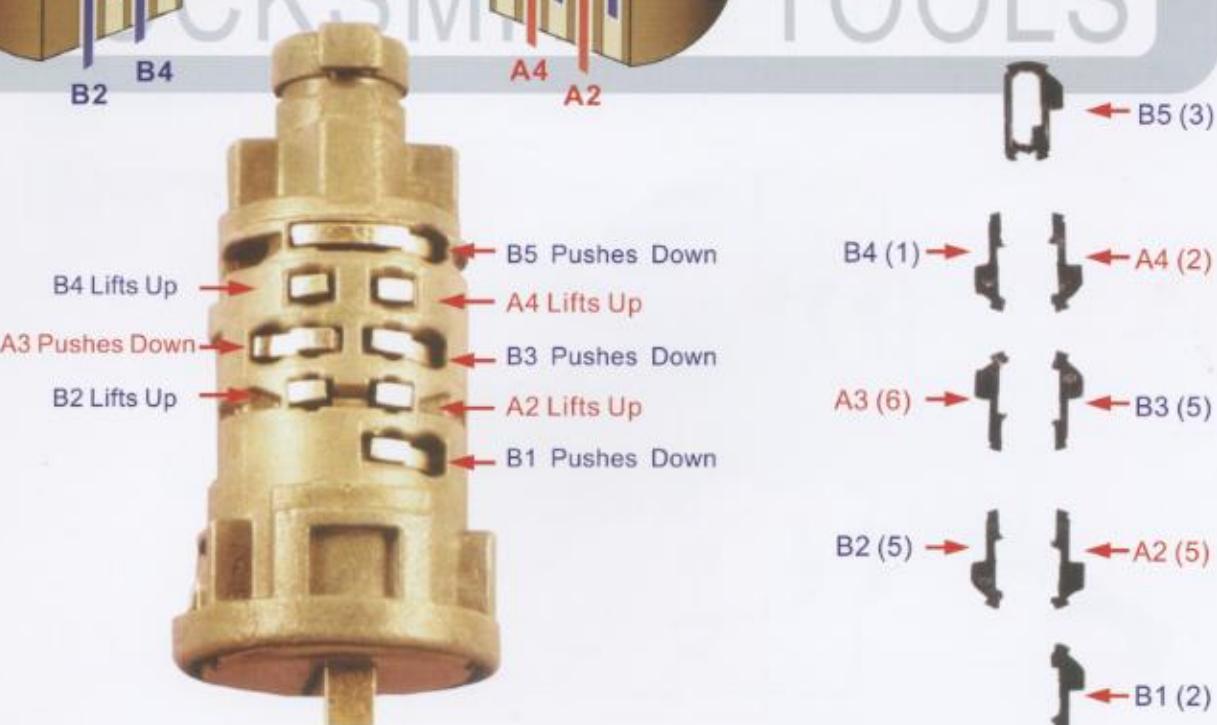
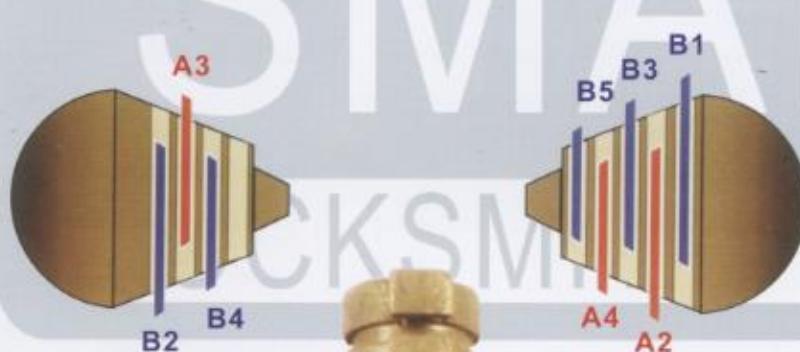
All wafers (tumblers) are stamped/numbered

To decode the lock read in the SAME direction as it was picked

The lock has to be picked twice, first pick and turn approximately 45 degrees

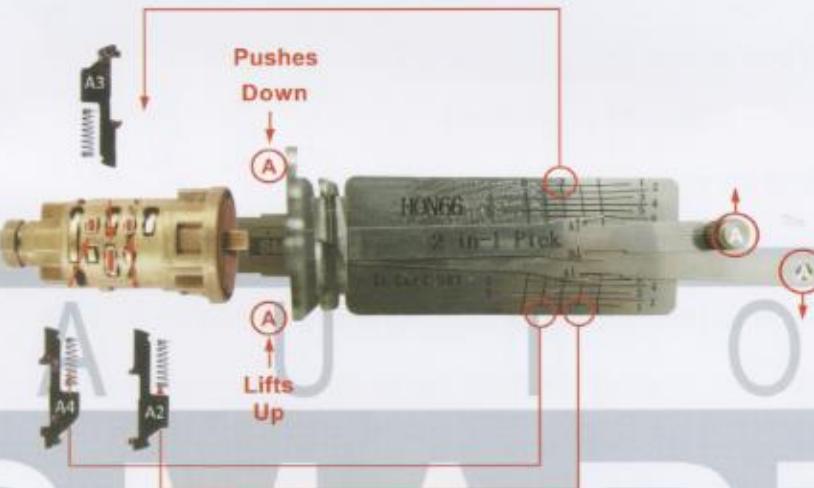
Then pick again to the 90 degrees, the lock has to be in this position to decode

Once the lock is decoded, You can turn it back to the 45 degree position and then it has to be picked back to the upright (vertical) position before You can remove the tool

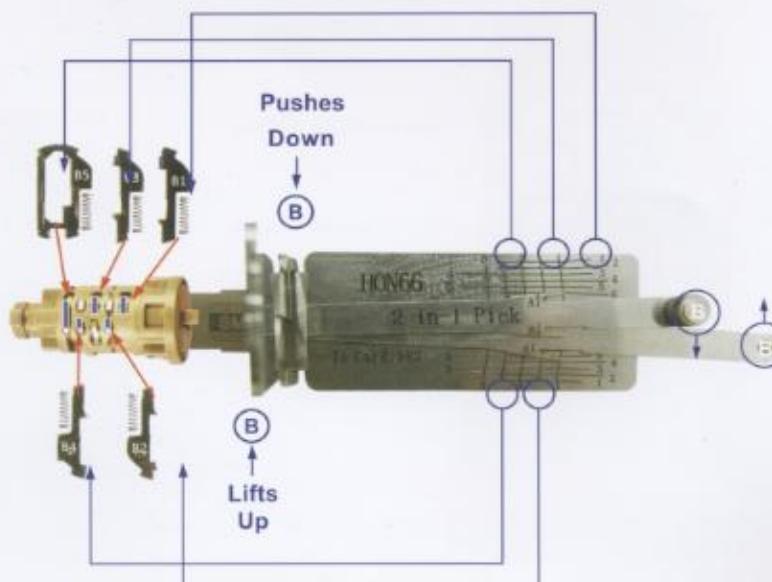




A Axis



B Axis





A1 Does not read

Position A2 ... read as a 5

Position A3 ... read as a 6

Position A4 ... read as a 2

Position B1 ... read as a 2

Position B2 ... read as a 5

Position B3 ... read as a 5

Position B4 ... read as a 1

Position B5 ... read as a 3

A5 Does not read

A6 Does not read .. Always a 1 cut

A6 Does not read .. Always a 1 cut

If you are using Genericode to fill in the gaps ...

Enter what you read as the "A"axis in the TOP row and what you read as the "B"axis in the BOTTOM row

> Enter Known Cuts

Enter the known cuts and '-' to skip a cut

Enter cuts-Bow to Tip: **=562=-**

Enter cuts Bow to Tip: **25513=**

Ok Cancel

Additional information about the lock
 Number 6 cut on Axis "A" and "B" is always a 1
 Number 5 cut on Axis "A" is always a 2 or 5
 Number 5 cut on Axis "B" is always a 3 or 5

> View Key Data for Series K001 - K999

Series Code:	K210	Spacing:	.1200	Blank Type 1:	SILCA
Comment:	HONDA CRV<M><Trsp	Increment:	.0137	Blank Type 2:	ILCO

Cuts					
1	2	3	4	5	6
3	5	6	2	5	1
2	5	5	1	3	1

Spaces					
1	2	3	4	5	6
.732	.612	.492	.372	.252	.161

Depths					
1	2	3	4	5	6
.311	.297	.283	.270	.256	.242

Machine Details
 Machine: Framon Manual

There are 1 possibilities.

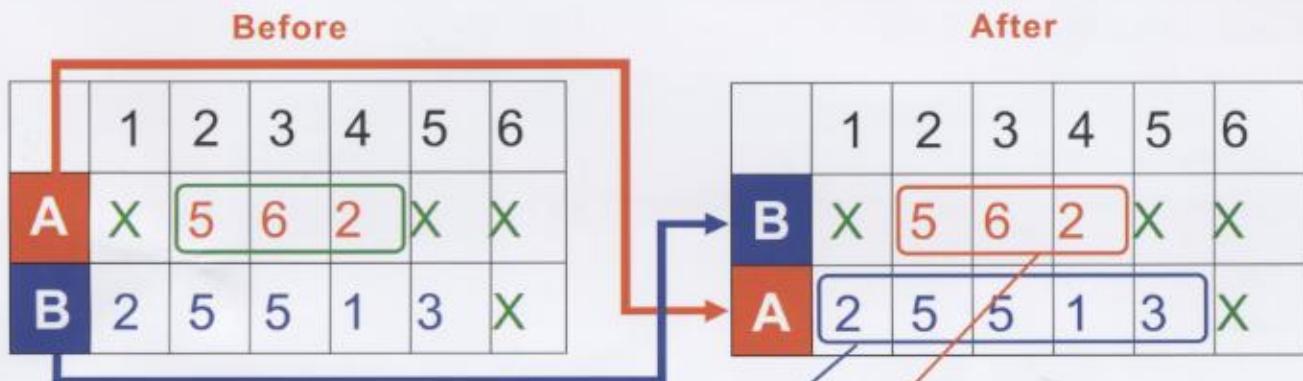
All Possibilities

1 - 25	1. K210 356251 255131
--------	-------------------------------



If you are using Instacode to fill in the gaps

Once you have decoded the lock and before entering the cuts into Instacode for the remaining cuts, transpose the letter "A" for the letter "B"



Axis A: Depth Symbols (1, 2, 3, 4, 5, 6)

A	1	2	3	4	5	6
Bitting:	2	5	5	1	3	<input type="checkbox"/>
Search:	<input checked="" type="checkbox"/>					
"One Up" also:	<input type="checkbox"/>					

Axis B: Depth Symbols (1, 2, 3, 4, 5, 6)

B	1	2	3	4	5	6
Bitting:	<input type="checkbox"/>	5	6	2	<input type="checkbox"/>	<input type="checkbox"/>
Search:	<input checked="" type="checkbox"/>					
"One Up" also:	<input type="checkbox"/>					

Bitting

Position:	1	2	3	4	5	6
Axis A:	2	5	5	1	3	1
Axis B:	3	5	6	2	5	1

After running through Instacode it came up with 1 code

Code	Bitting
OK210	255131-356251





HONDA HON66 2 in 1 decoder and pick tool user manual

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These products are the world's leading the locksmith intelligent tools for unlocking

The detail for HONDA HON66 2 in 1 decoder and pick tool as follow:

Open sequence:

①First pick the lower left 1 piece wafer, and then pick the top right 2 pieces wafers

②Pick the upper left 2 pieces wafers and then pick the lower right 3 pieces wafers.

After the lock cylinder turn around to 45 degree there still have 3 pieces wafers stuck.

③After then pick the lower left 1 wafer and top right 2 pieces wafers. And then the lock cylinder be opened.

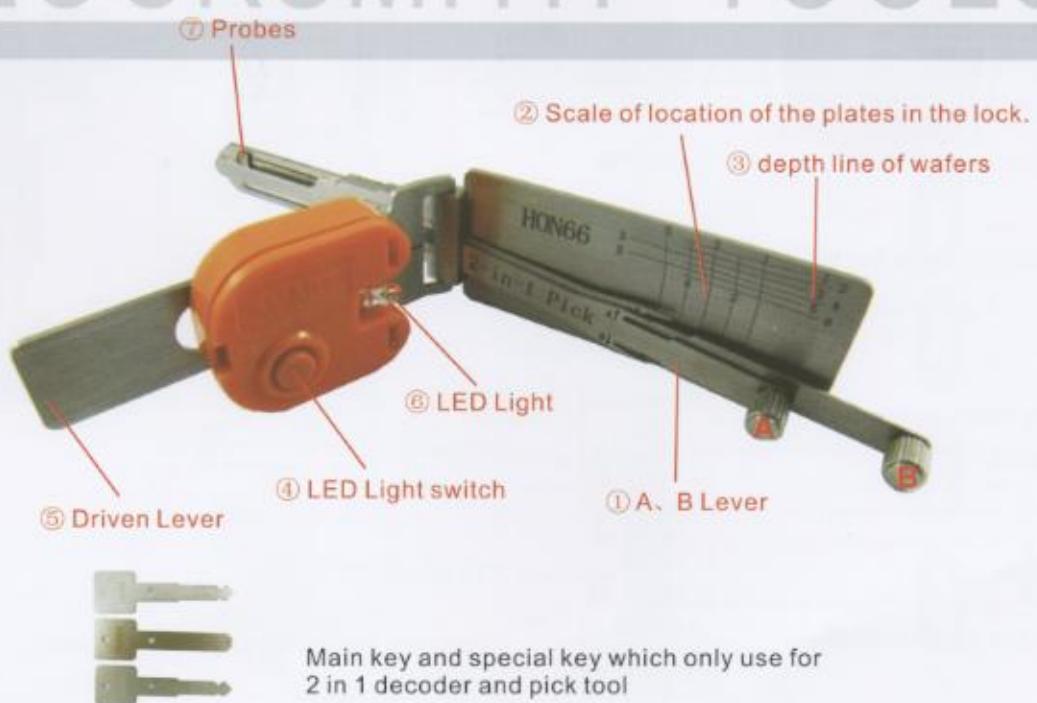
④At the same time the lock cylinder need to go back to the original position then need to pick 3 pieces wafers.

Pick the lower left 1 wafer and then pick the top right 2 pieces wafers. After then the Lock cylinder back to the original position. So the unlock work is complete.

Decoder sequence:

First read the lower left 1 piece wafer, and then read the top right 2 pieces wafers. And after then read the upper left 2 pieces wafers. Finally read the lower right 3 pieces wafers. After finish reading then use the key cutter to cut the special key which only use for 2 in 1 decoder and pick tool. Finish all cutting then an unbroken key have been made and it can use for open the lock..

Honda HON66 can open the Honda 2.4 Honda Accord, Odyssey, eighth-generation Accord, BYD F6 models.





HU58 ...BMW

This lock is an external 4 track lock and has 12 spaces
6 on Axis "A" and 6 on Axis "B" ... and 4 depths



Positions 3 and 9 are not found in the door lock

DO NOT TRY TO PICK POSITIONS 3 AND 9

It is very important that you do not mistake this for a pickable wafer otherwise you may force the tool and break the tip off the pick

Depth 4 is the deepest cut and number 1 is the shallowest cut

All wafers (tumblers) are stamped/numbered

Once the lock is picked, it will ONLY turn to about 1 o'clock, hold the lock in this

position to decode the lock ...

To decode the lock read in the OPPOSITE direction as it was picked

If you only want to pick the lock to open the car, hold turning pressure on the tension handle and withdraw the tool about 10 mm (3/8 inch) this will allow the "gate wafer" to depress into the narrower part of the tool and the lock will turn

This is the "gate wafer" which closes around the key when the lock is turned



The cut out in the key allows the gate wafer to depress and the lock to turn

Wafers in positions

11 and 12

7 and 8

5 and 6

1 and 2

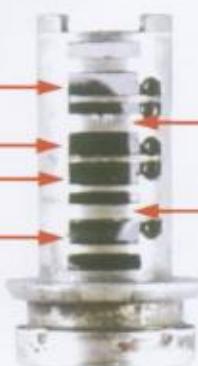
Share the same chambers

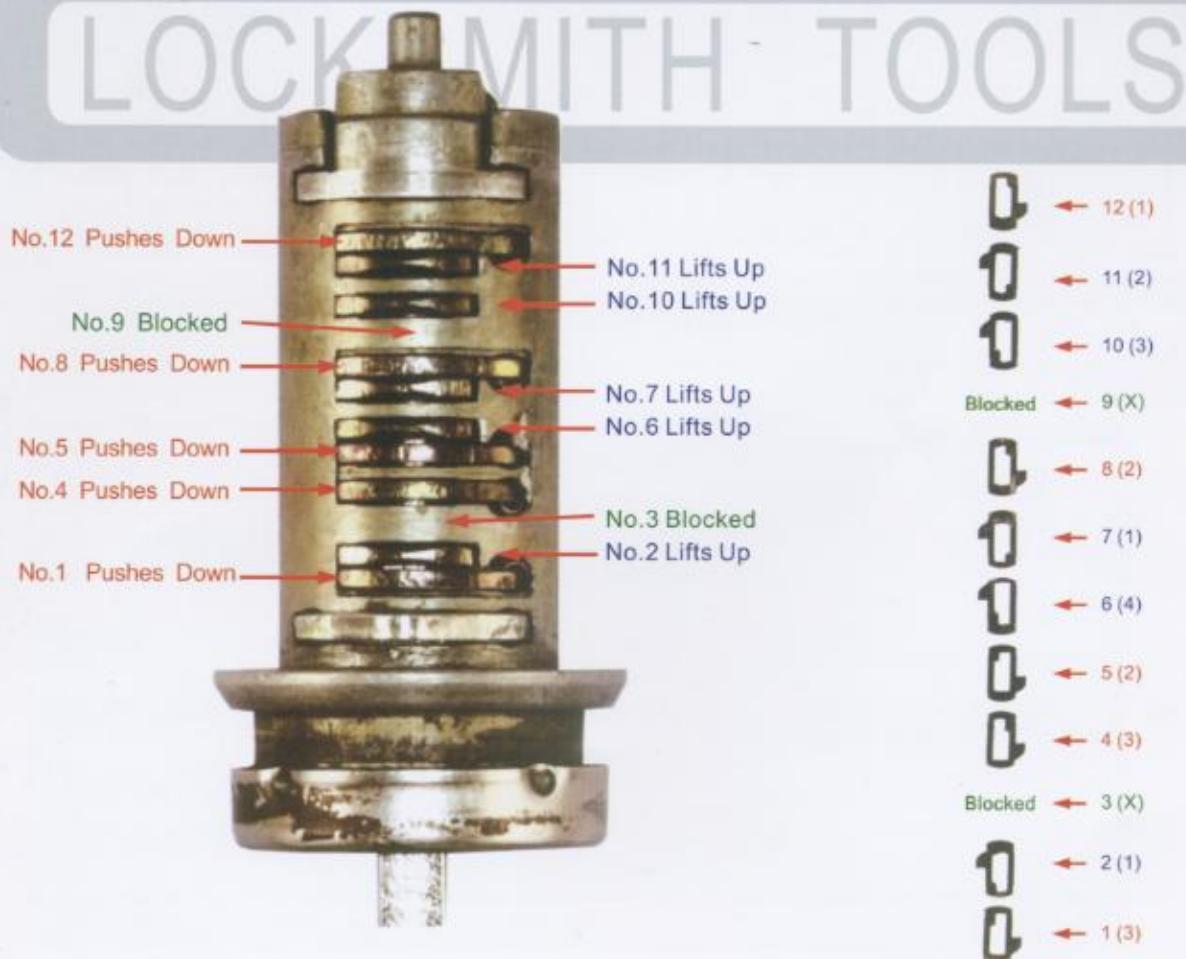
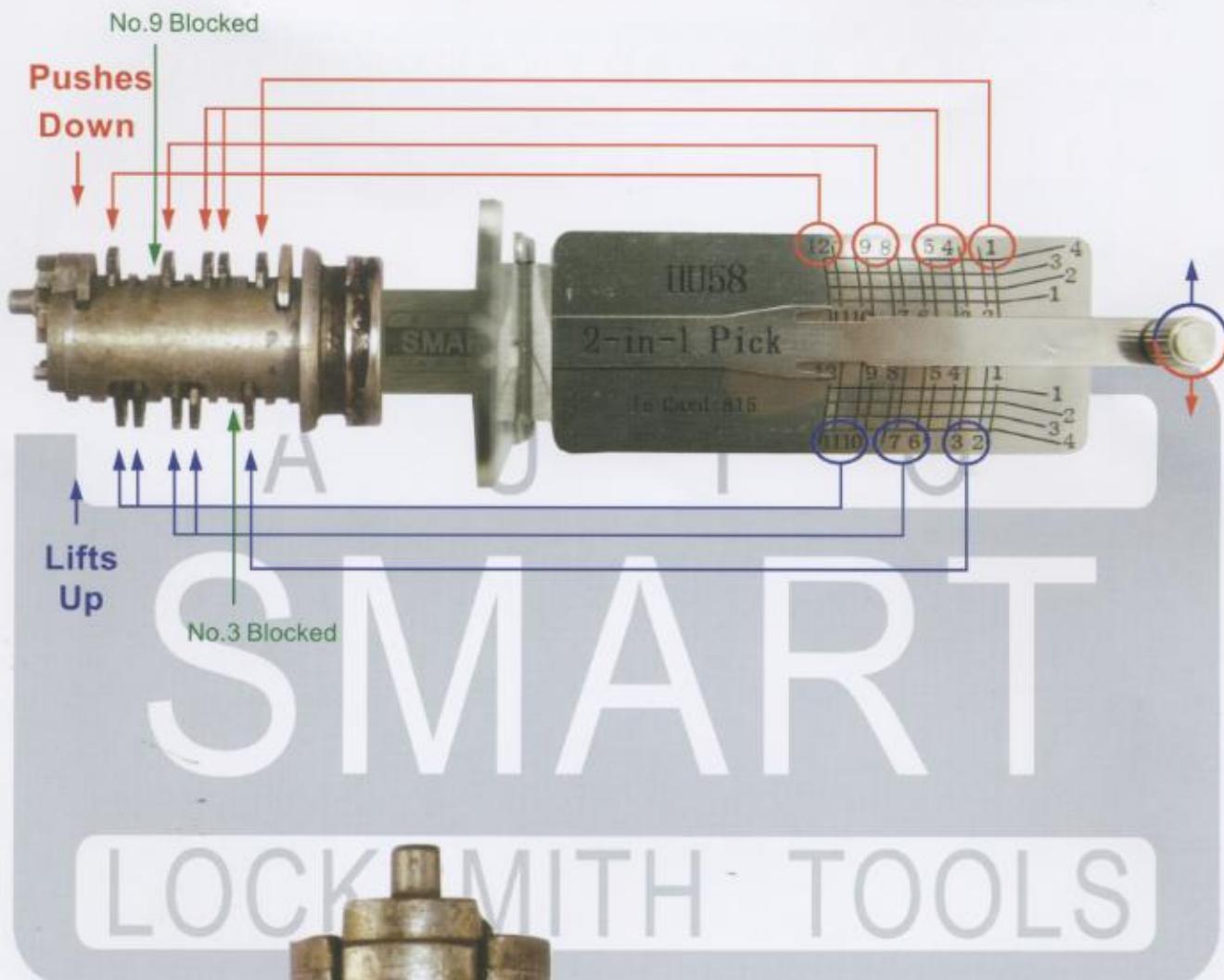
No wafers in these positions

9 Blocked Off

3 Blocked Off

These are blocked .. Do not try to pick







This is how the 2 in 1 Tool reads the lock ... 1 to 12

1	2	3	4	5	6	7	8	9	10	11	12
3	1	X	3	2	4	1	2	X	3	2	1

We then convert it to

1	2	3	4	5	6	7	8	9	10	11	12
3		X		2		1		X		2	
1		3		4		2		3		1	

And now convert it to

	1	2	3	4	5	6
A	3	X	2	1	X	2
B	1	3	4	2	3	1

Now enter into Instacode

Enter known bitting values in corresponding positions


 Enable advanced search features

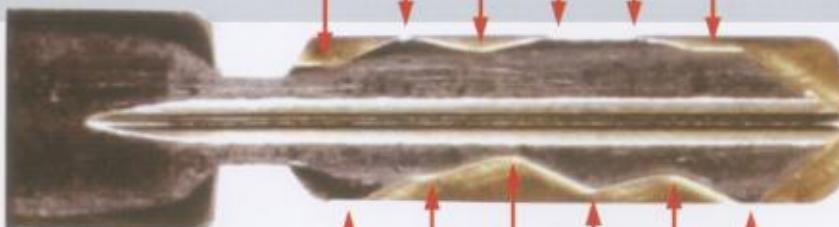
After running through Instacode it came up with 4 codes

Our code was the first cut on Key 1 ... BH210709

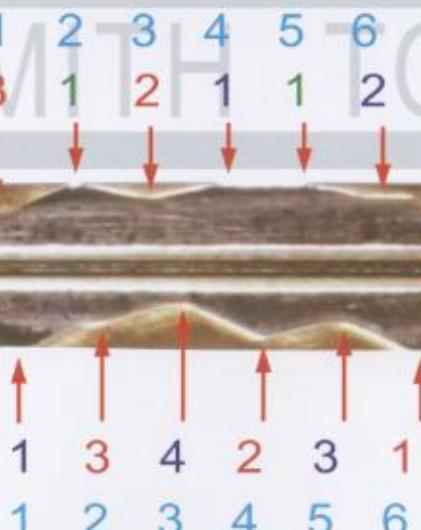
Code	Bitting
BH120482	332132-134231
BH120709	312132-134231
BH210482	332112-134231
BH210709	312112-134231

Cutting tree	
Key 1	
BH210709	312112 - 134231
✓ BH120709	312132 - 134231
✓ BH120482	332132 - 134231
Key 2	
✓ BH210482	332112 - 134231

	1	2	3	4	5	6
A	3	1	2	1	1	2
B	1	3	4	2	3	1



Side B



Main key and special key which only use for 2 in 1 decoder and pick tool

HU64 found on: Mercedes

This lock has 10 spaces and 5 depths

All 10 wafers are found in the door lock and in the boot lock.

Picking this lock requires a very light turning tension

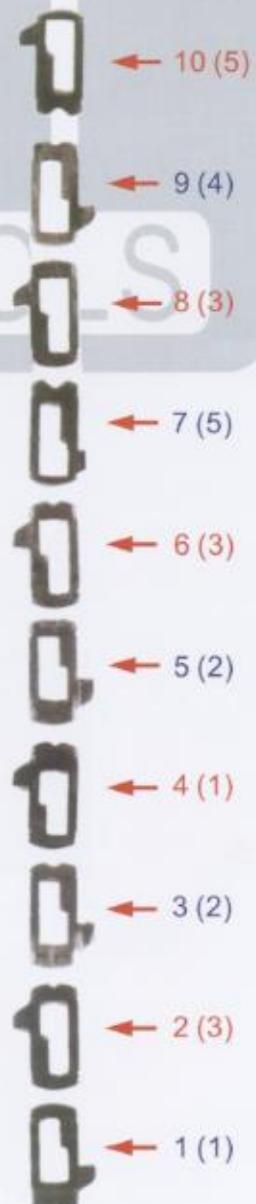
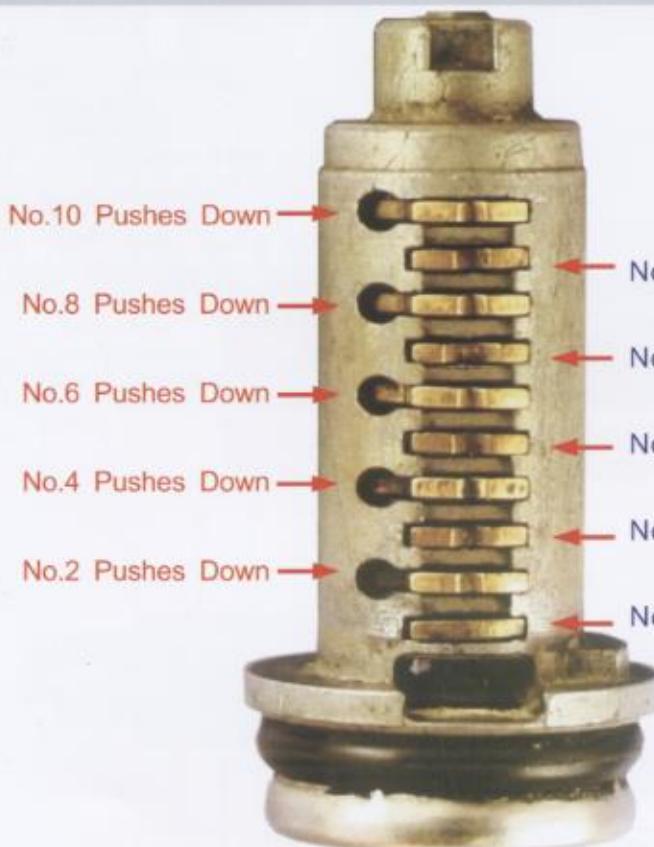


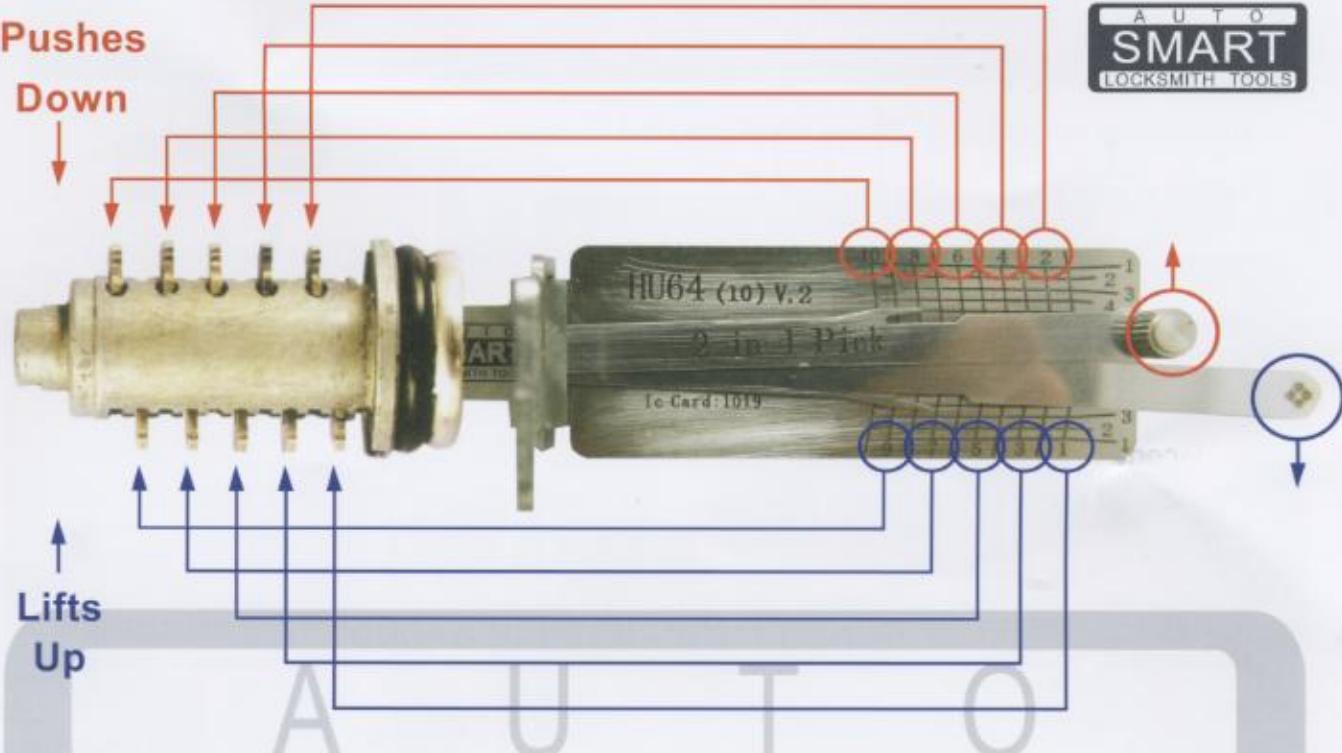
Silca HU64

To decode the lock read in the SAME direction as it was picked

SMART

LOCKSMITH TOOLS





1	2	3	4	5	6	7	8	9	10
1	3	2	1	2	3	5	3	4	5

Enter known bitting values in corresponding positions



Enable advanced search features

Axis A: Depth Symbols (1, 2, 3, 4, 5)

A

Bitting:	1	2	3	4	5	6	7	8	9	10
Search:	<input checked="" type="checkbox"/>									
"One Up" also:	<input type="checkbox"/>									

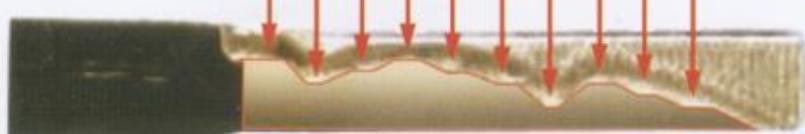
After running through Instacode to
check it was a correct code

Code	Bitting	
0121	1321235345	



Main key and special key which only use for
2 in 1 decoder and pick tool

1 2 3 4 5 6 7 8 9 10
1 3 2 1 2 3 5 3 4 5



This is the side you read the cuts on the key

HU66 found on: VW, Audi, Skoda, Seat and Ford (Europe)



This lock has 8 spaces and 4 depths

Depth 4 is the deepest cut and number 1 is the shallowest cut

Silca HU66

All 8 wafers are in this lock and all positions in the door lock can be read with the Smart tool

This lock is a generation 2 with groups of 2 wafers ... 2 up and 2 down

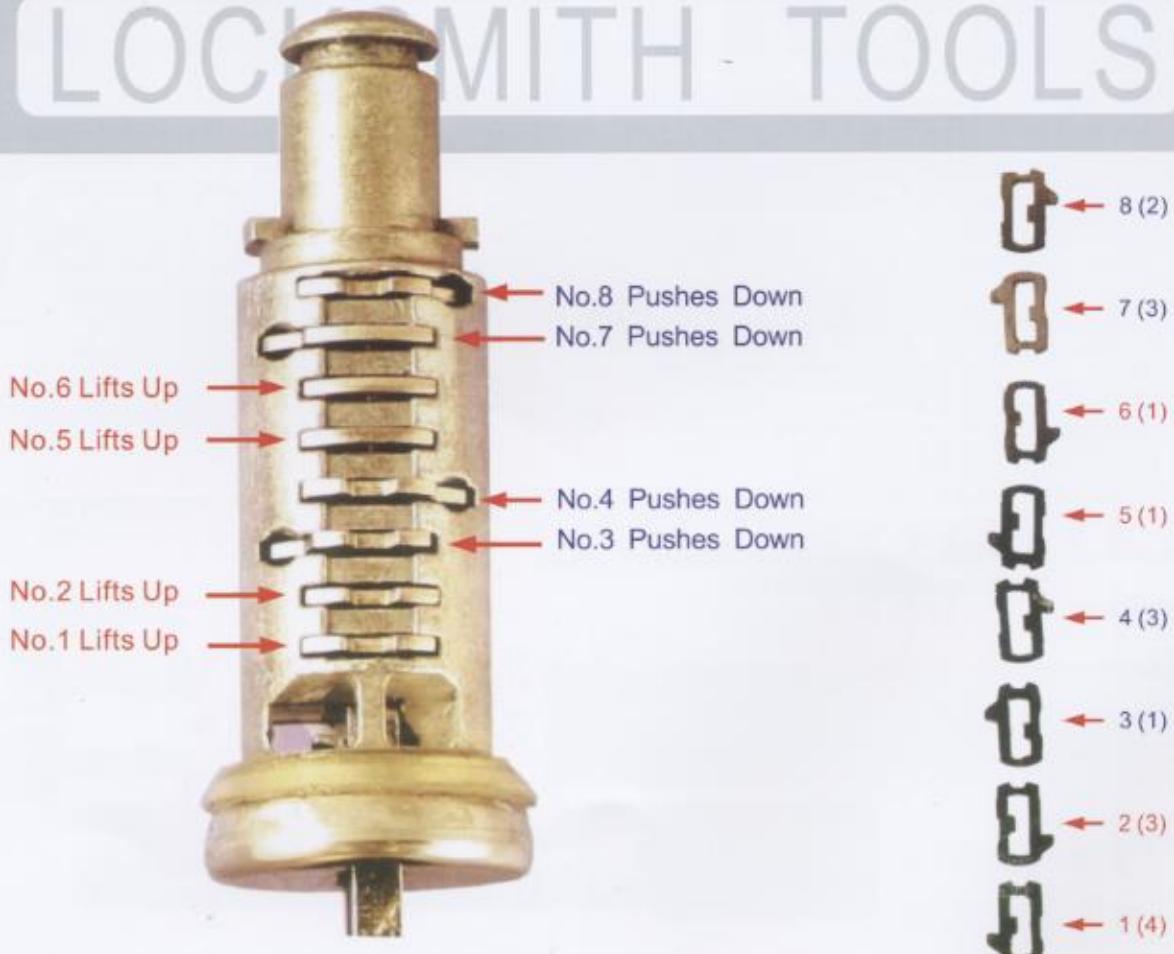
Generation 1 of this lock would have opposing wafers 1 up 1 down and was used until around 2002

To check and see if the lock you are working on is Generation 1 or Generation 2 by entering the 2 in 1 Tool and (with no tension) test to see if the wafers in positions 1 and 2 are moving in the same direction, if so this is a generation 2 lock

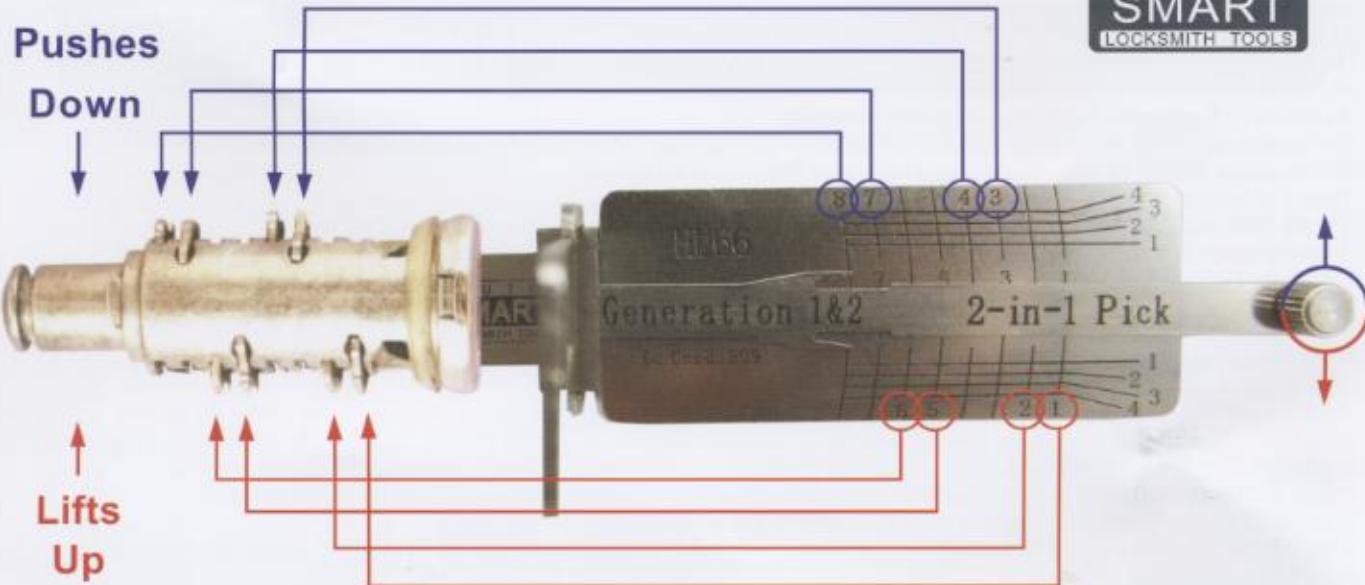
This is a single lever arm 2 in 1 pick/decoder

To decode the lock read in the OPPOSITE direction as it was picked

LOCKSMITH - TOOLS



AUTO
SMART
LOCKSMITH TOOLS



1	2	3	4	5	6	7	8
4	3	1	3	1	1	3	2

Enter known bitting values in corresponding positions



Enable advanced search features

Axis A: Depth Symbols (1, 2, 3, 4)

A

Bitting: 1 2 3 4 5 6 7 8

4	3	1	3	1	1	3	2
---	---	---	---	---	---	---	---

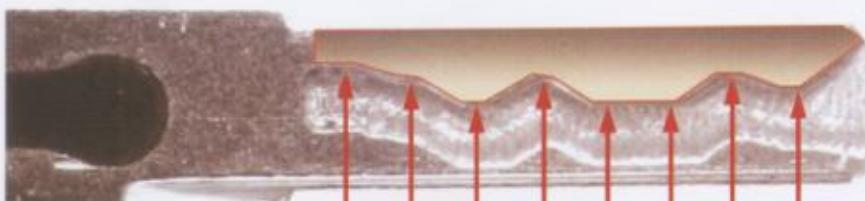
Search:

"One Up" also:

After running through Instacode
to check it was a correct code

Code	Bitting
6901	43131132

This is the side you read the cuts on the key



4 3 1 3 1 1 3 2
1 2 3 4 5 6 7 8

Volkswagen HU66 2 in 1 decoder and pick tool user manual

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Detail for Volkswagen HU66 2 in 1 decoder and pick tool as follow:

Volkswagen 2-3 generation lock open tips:

2-3 generation lock 14 , 58 wafer little wider. 23 , 67 Wafer little narrower.

First should pick 15 and 84 wafer . And then pick 37 ,62 wafer.

And these 4 pieces wafers need to be picked repeatedly.

If after pick 15 , 84 wafer and 37 ,62 wafer do not have any reaction then it means the 15,84 wafer do not be picked in proper position or you had picked over . So you have to try again to pick 15,84 wafer till they are picked successful. If you pick the 15,84 wafer and the position is over then you need to drop these wafers a little.

When you drop the wafers then you have to listen carefully

(Do not drop too much, If too much then the wafers will drop down)

After you drop then you try to pick 37,62 wafer again. At this moment you will feel the 37,62 wafer will move .

So you have to pick 37,62 wafer repeatedly.(For 62,37 wafer also do the same steps)

The permutation of wafer position for Volkswagen and Audi .

The sequence is : Side "A" (12 56) Side "B" (34 78)

Open sequence:

When use HU66 V.2 2 in 1 decoder and pick tool, first enter the working part of 2 in 1 decoder and pick tool into the button of Lock cylinder ,then unfold the driven Lever of 2 in 1 decoder and pick tool . Meanwhile use appropriate Strength hold on it by left hand.(If work under dark light then you can open the light)

First use your right hand hold the Lever A to pick 15,84 wafer. At the same time the Probes will move. And then use the Lever B to pick 23,67 wafer .And these 4 pieces wafers need to be picked repeatedly till the Lock be opened.

At this moment the Lock cylinder will turn around about 90 degree.

Decoder sequence:

After the lock be opened then start to read code. First read the Side "A" 12,56 wafer and then read the Side "B" 34,78 wafer. When you read the 12,56 wafer position meanwhile in the body of 2 in 1 decoder and pick will show you the wafer-position and depth of wafer. Therefore you can read out the depth of wafer(the key way)

For example. Side "A" number 1 wafer position read out is 3.number 2 wafer position read out is 2. number 5 wafer position read out is 4.number 6 wafer position read out is 2. So Side "B" read out the codes the sequence is 32,42.And then read the Side "B" Side "B" the number 3 wafer position read out is 1,number 4 wafer position read out is 3, number 7 wafer position read out is 2. number 2 wafer position read out is 1. So the Side "B" read out the codes the sequence is 13,21

Side "A" (12 56) the permutation of wafer position

Side "A" (32 42) the permutation of wafer position (Key way)

Side "B" (34 78) the permutation of wafer position

Side "B" (13 21) the permutation of wafer position(Key way).

After knowing the position and depth of wafer, then prepare 2 pieces special key which only use for 2 in 1 decoder and pick tool (The special keys already marked the depth line).And then use key cutter to cut the special key.

First take one piece cut for Side A's codes. Side "A" number 1 position is 3, number 2 position is 2,number 5 position is 4,number 6 position is 2. And then take another 1 piece special key cut for Side "B" . Side B number 3 position is 1,number 4 position is 3,number 7 position is 2,number 8 position is 1.

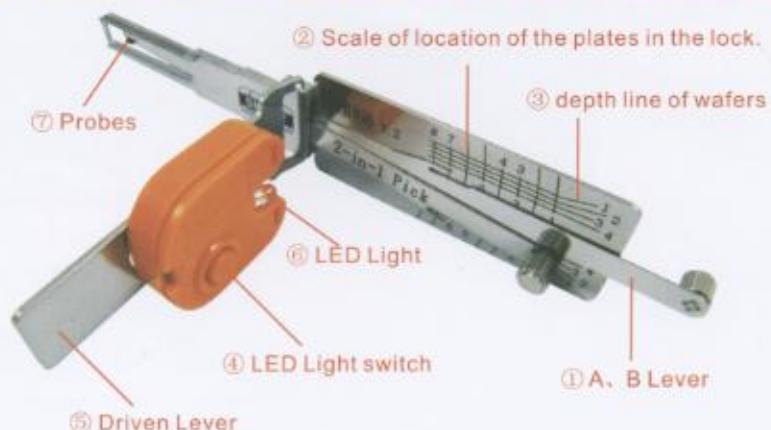
Finish the cutting then take one piece main key(HU66,only one piece) put in the middle of these two pieces special keys what already be cut. And these two pieces special keys the key way where have been cut must coincide.. Now an unbroken key have been made and it can use for open the lock. So open the lock and decoder finish.

The Volkswagen HU66, there are two models, one is HU66, another is HU66v.2.

Volkswagen, Passat, Magotan, Sagitar, Audi, Skoda, Bora, Golf, Gore, etc Series



Main key and special key which only use for 2 in 1 decoder and pick tool





HU83...Citroen, Peugeot, MG, Mini

HU83 found on: Peugeot, Citroen, MG, Mini

This lock has 7 spaces and 4 depths



Silca HU83

This tool will also pick & decode the Mini and MG that use the 1st generation lock which is prior to 2005, and this is the reason for the 1—8 grid on the tool

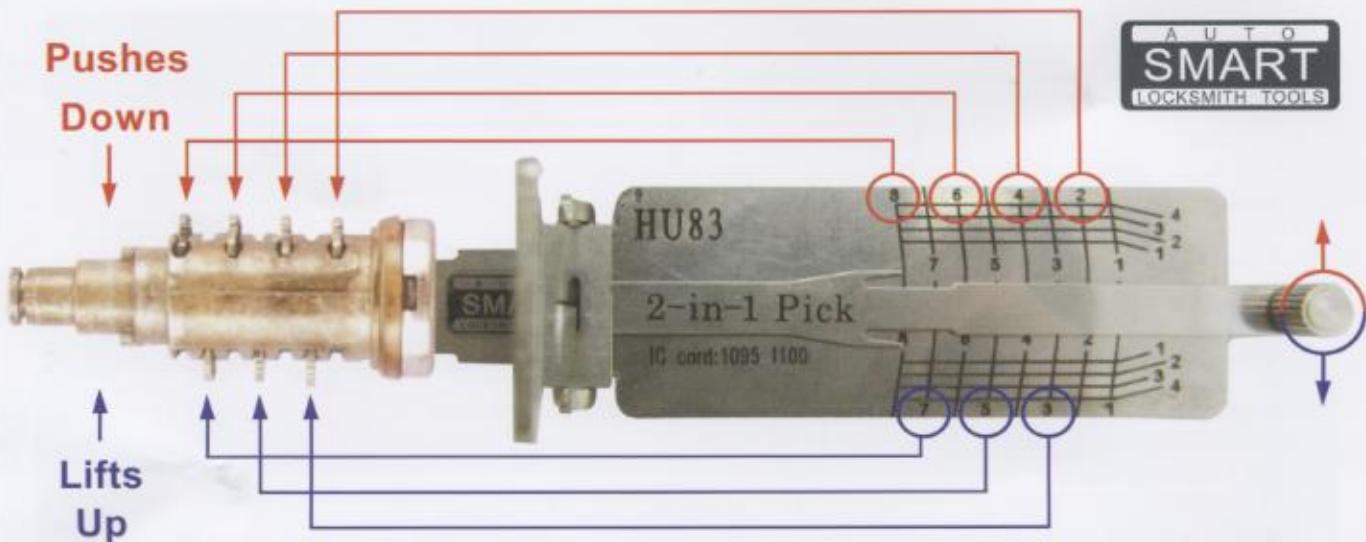
All 7 wafers are in this lock

Depth 4 is the deepest cut and number 1 is the shallowest cut

This is a single lever arm 2 in 1 pick/decoder

To decode the lock read in the OPPOSITE direction as it was picked





When using on Citroen and Peugeot

This is how the tool reads

1	2	3	4	5	6	7	8
X	4	3	1	3	4	4	3

After reading with the Smart 2 in 1

Enter the cuts into your code program like this

1	2	3	4	5	6	7
4	3	1	3	4	4	3

Enter known bitting values in corresponding positions



Enable advanced search features

Axis A: Depth Symbols (1, 2, 3, 4)

A	1	2	3	4	5	6	7
Bitting:	4	3	1	3	4	4	3
Search:	<input checked="" type="checkbox"/>						
"One Up" also:	<input type="checkbox"/>						

After running through Instacode,
it came up with only one code

Code	Bitting
HCA0007	4313443



Main key and special key which only use for
2 in 1 decoder and pick tool



This is the side you read the cuts on the key



HU92...BMW, Mini, Rover

HU92 found on BMW, Rover, Mini

This lock is an internal 2 track

The lock has 8 spaces and 4 depths

All 8 wafers are in this lock



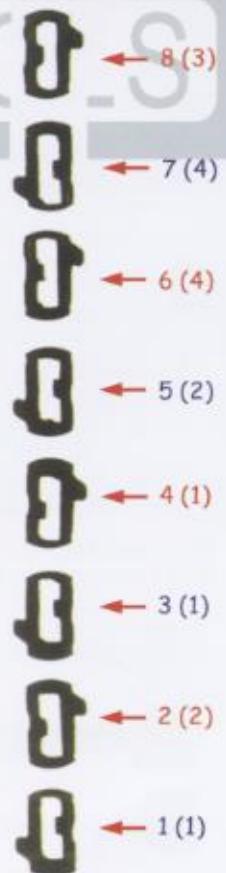
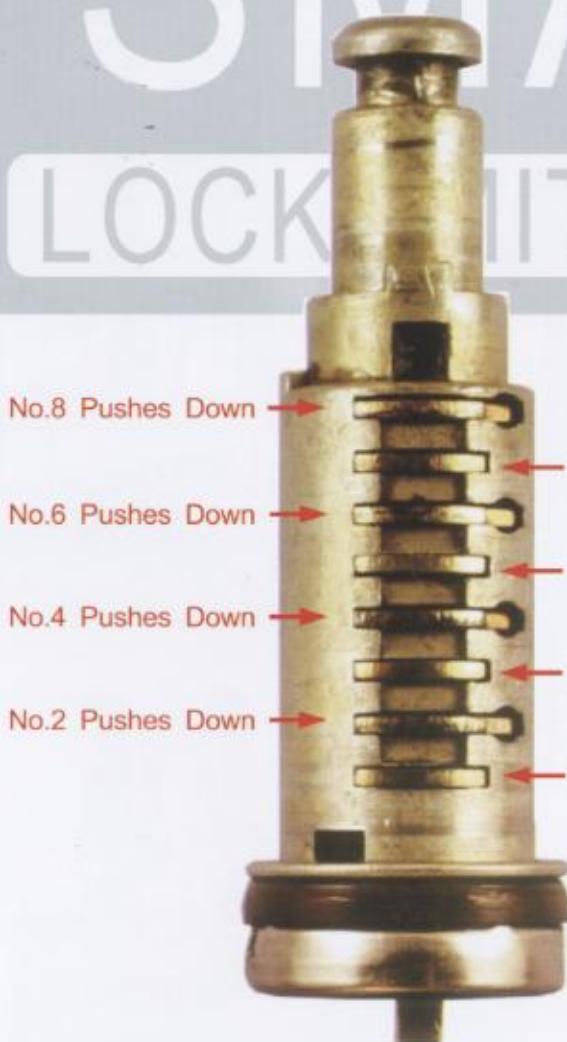
Silca HU92

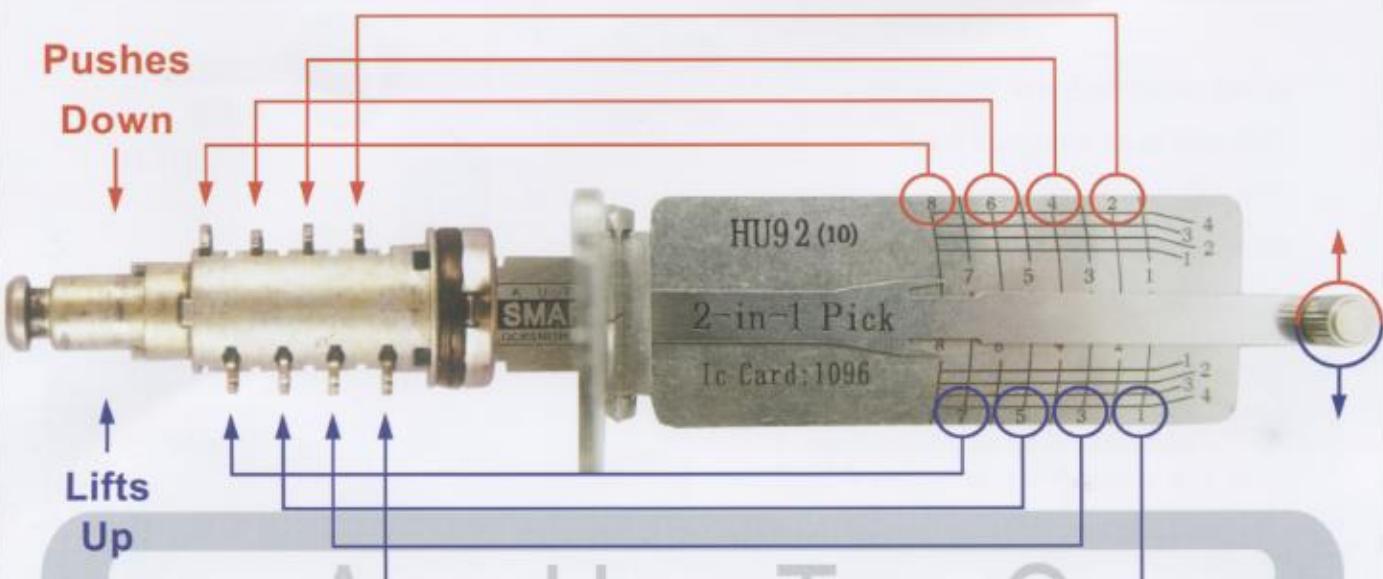
All positions in the door lock can be read with the Smart tool

Depth 4 is the deepest cut and number 1 is the shallowest cut

This is a single lever arm 2 in 1 pick/decoder

To decode the lock read in the OPPOSITE direction as it was picked





1	2	3	4	5	6	7	8
1	2	1	1	2	4	4	3

Enter known bitting values in corresponding positions



Enable advanced search features

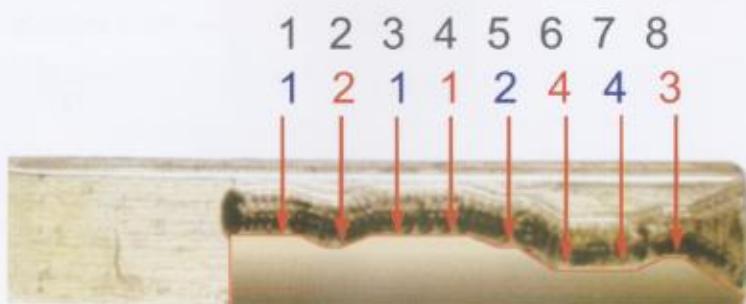
Axis A: Depth Symbols (1, 2, 3, 4)

A	1	2	3	4	5	6	7	8
Bitting:	1	2	1	1	2	4	4	3
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

After running through Instacode,
to check it was a correct code

Code	Bitting	
3196	12112443	

Main key and special key which only use for
2 in 1 decoder and pick tool



This is the side you read the cuts on the key



HU100 ... GM, Holden, Buick, Cadillac, Opel, Vauxhall



Silca Hu100

HU100 found on: GM, Holden, Buick, Cadillac, Opel and Vauxhall

This lock has 8 spaces and 4 depths

Depth 4 is the deepest cut and number 1 is the shallowest cut

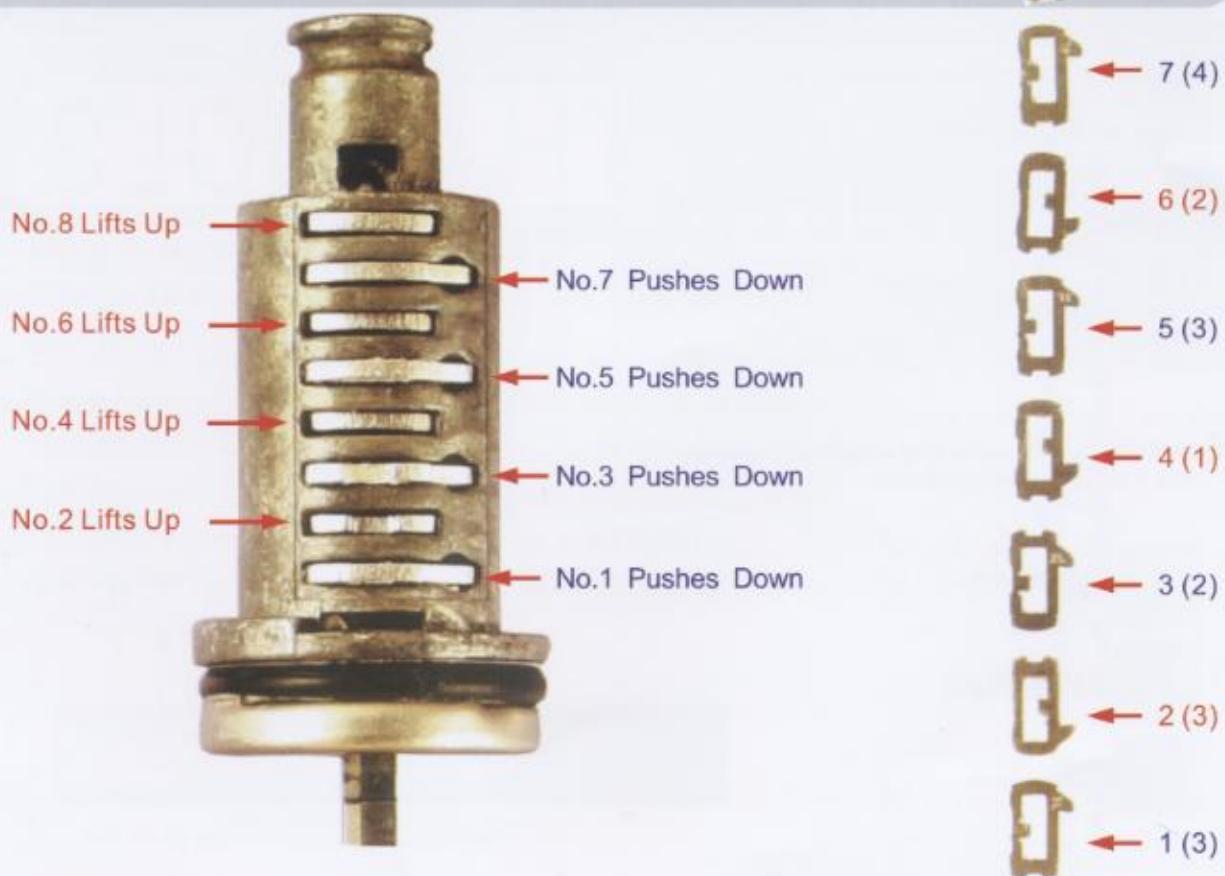
All wafers are stamped/numbered and are handed Left and Right

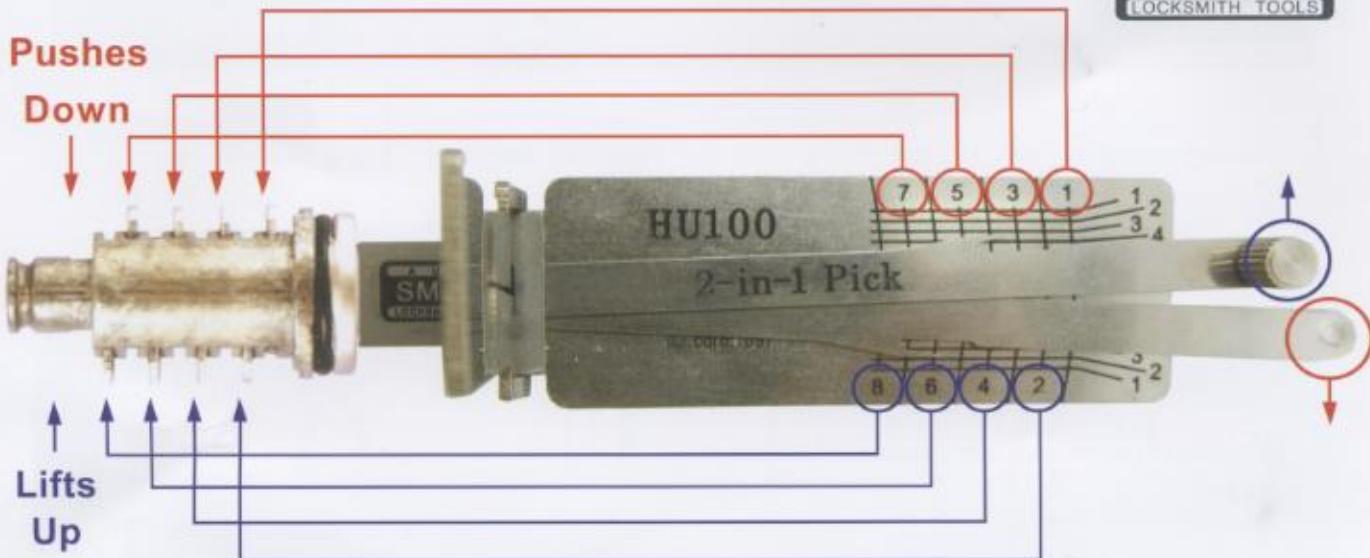
All wafers (tumblers) are stamped/numbered

All 8 wafers are in this lock

All positions in the door lock can be read with the Smart tool

To decode the lock read in the SAME direction as it was picked





1	2	3	4	5	6	7	8
3	3	2	1	3	2	4	2

Enter known bitting values in corresponding positions



- Enable advanced search features
- Search bittings in associated series

Axis A: Depth Symbols (1, 2, 3, 4)

A

	1	2	3	4	5	6	7	8
Bitting:	3	3	2	1	3	2	4	2
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

After running through Instacode,
to check it was a correct code

Series	Code	Bitting
ISN 5384:Z4001-Z6314	Z4315	33213242

Main key and special key which only use for
2 in 1 decoder and pick tool



This is the side you read: the cuts on the key



HU100R - BMW -2010>

HU100R found on: BMW - 2010>

This lock has 8 spaces and 4 depths and is an internal 2 track

All 8 wafers are in this lock

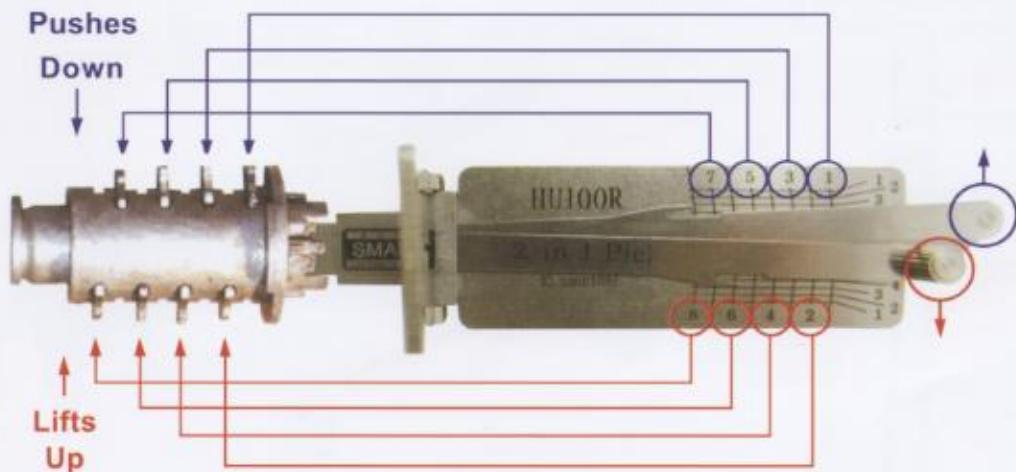
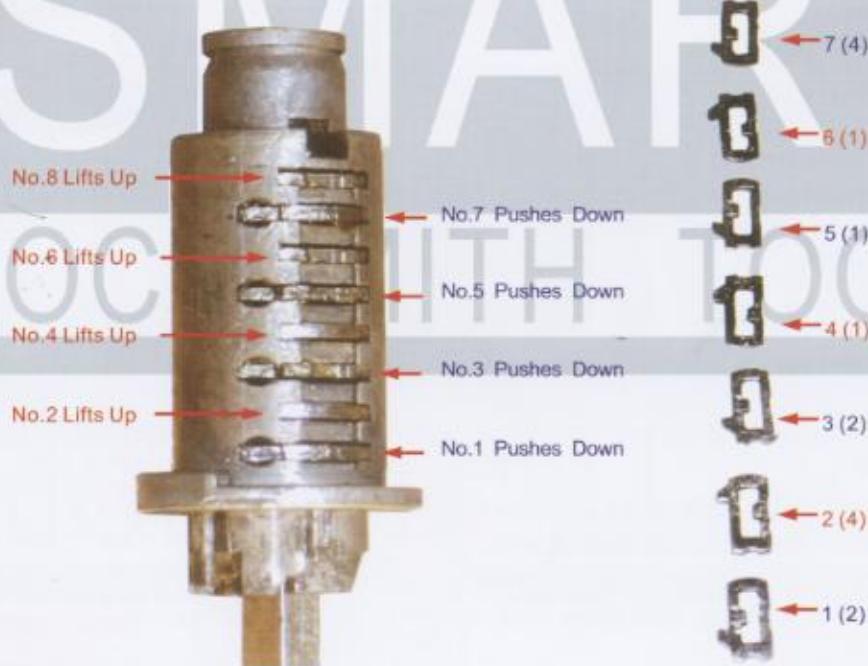
All positions in the door lock can be read with the Smart tool

Depth 4 is the deepest cut and number 1 is the shallowest cut

To decode the lock read in the SAME direction as it was picked



HU100R

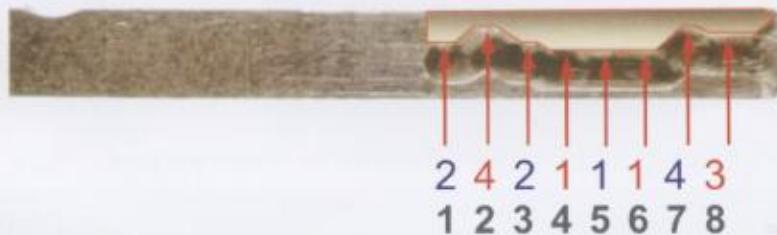


1	2	3	4	5	6	7	8
2	4	2	1	1	1	4	3



After running through Instacode no codes were found for this lock.

This is the side you read the cuts on the key



BMW new model HU100R 2 in 1 decoder and pick tool user manual

AUTO SMART LOCKSMITH TOOLS full detail and introduction:

Hong Kong Patented product.

AUTO SMART LOCKSMITH TOOLS

A variety of functions: Lighting, pick and decoder.

Complete varieties, exquisite workmanship, the night lighting, open rate 100% and decoder rate 100%.

World-class products, the necessary product of the global locksmith. These products have been sold all over the world.

These products by internationally renowned locksmith master himself identification and tested.

These products are the world's leading the locksmith intelligent tools for unlocking

Detail for BMW new model HU100R 2 in 1 decoder and pick tool as follow:

Open sequence:

First enter the working part of 2 in 1 decoder and pick tool into the button of Lock cylinder ,then unfold the driven Lever of 2 in 1 decoder and pick tool . Meanwhile use appropriate Strength hold on it by left hand.

(If work under dark light then you can open the light)

First pick Side "A" NO.1、3、5、7 wafer, and then pick the Side "B" NO.2、4、6、8 wafer till the lock be opened.

Decoder sequence:

First read the Side "A" NO.1、3、5、7 wafer, and then read the Side

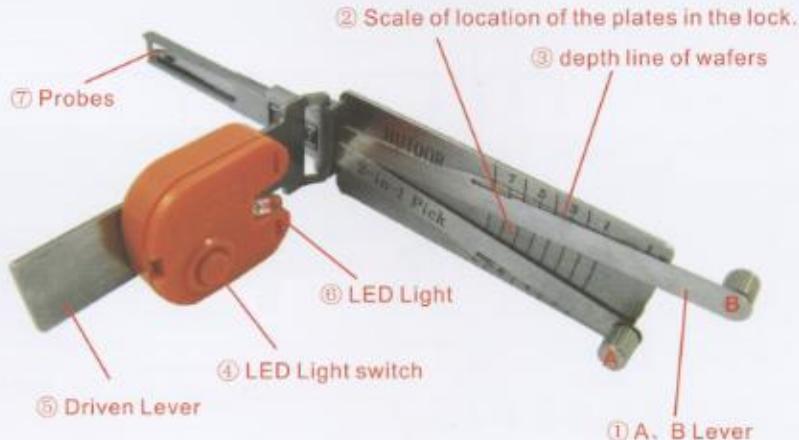
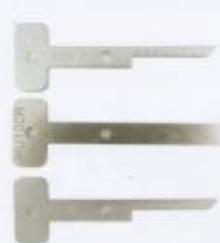
"B" NO.2、4、6、8 wafer till the lock can be opened.

After finish reading then use the key cutter to cut the special key which only use for 2 in 1 decoder and pick tool.

Finish all cutting then an unbroken key have been made and it can use for open the lock..

Main key and special key which only use for
2 in 1 decoder and pick tool

2011 year BMW New model





HU101 - Ford, Range Rover, Volvo, Jaguar

HU101 found on: Ford, Range Rover, Volvo, Jaguar



This lock has 10 spaces and 5 depths

All positions in the door lock can be read with the Smart tool

Silca HU101

Depth 5 is the deepest cut and number 1 is the shallowest cut

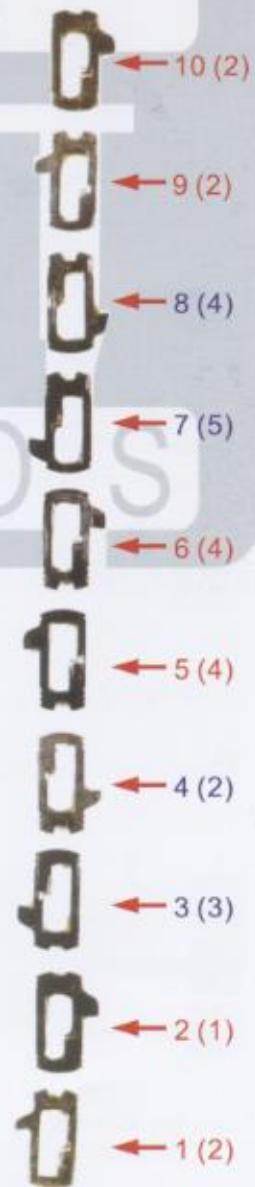
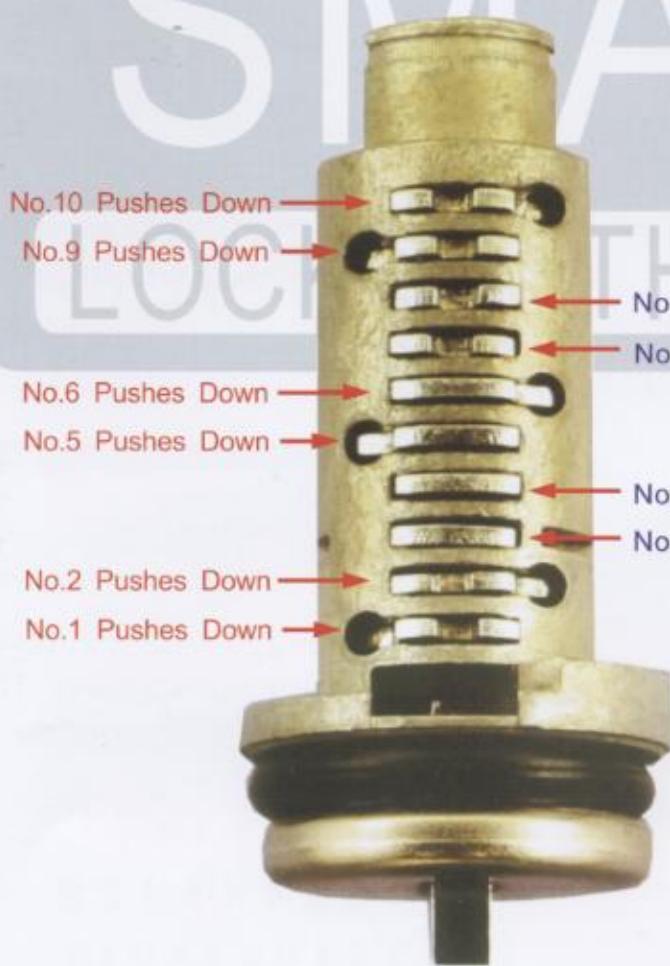
The No 10 position nearest the tip will always be a No 2 Cut (except in the extended series)

The Number 1 position nearest the bow will never be a number 1 cut

There will never be more than 2 height differences between wafers next door to each other

Picking this lock requires a very light turning tension

To decode the lock read in the SAME direction as it was picked



Pushes**Down****Lifts
Up**

1	2	3	4	5	6	7	8	9	10
2	1	3	2	4	4	5	4	2	2

Enter known bitting values in corresponding positions

 Enable advanced search features

Axis A: Depth Symbols (1, 2, 3, 4, 5)

A

Bitting:

	1	2	3	4	5	6	7	8	9	10
	2	1	3	2	4	4	5	4	2	2

Search:

<input checked="" type="checkbox"/>								
-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------

"One Up" also:

<input type="checkbox"/>								
--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

After running through Instacode,
to check it was a correct code

Code	Bitting
0725	2132445422

Main key and special key which only use for
2 in 1 decoder and pick tool

This is the side you read: the cuts on the key

2	1	3	2	4	4	5	4	2	2
1	2	3	4	5	6	7	8	9	10



HY22 ... Hyundai, Kia

HY22 found on: Various models of Hyundai & Kia

There are 6 spaces and 4 depths in this lock, all wafers are split and all occupy their own chamber



Silca Hy22

All positions in the door lock can be read with the Smart tool

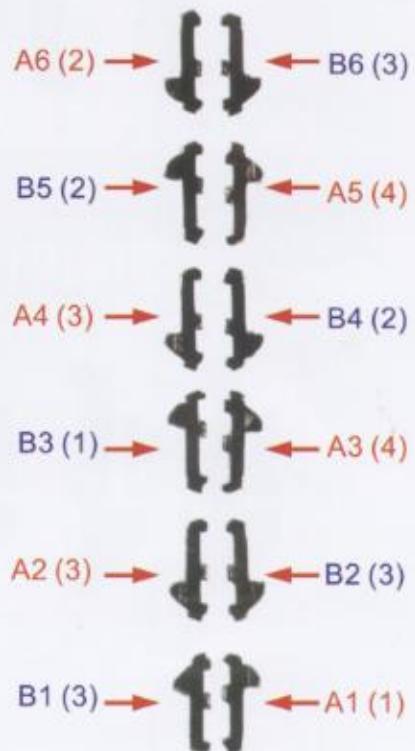
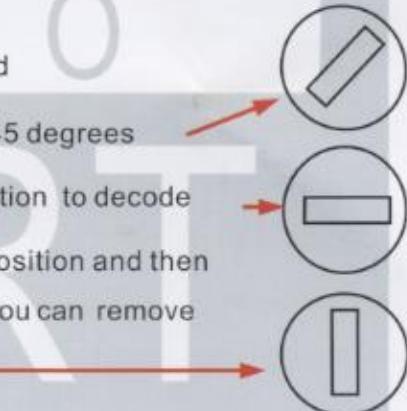
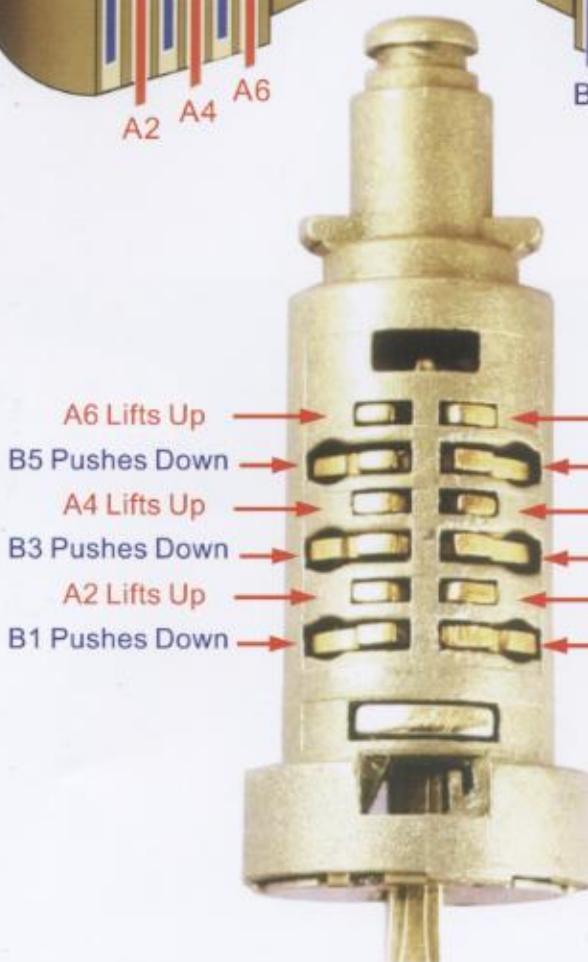
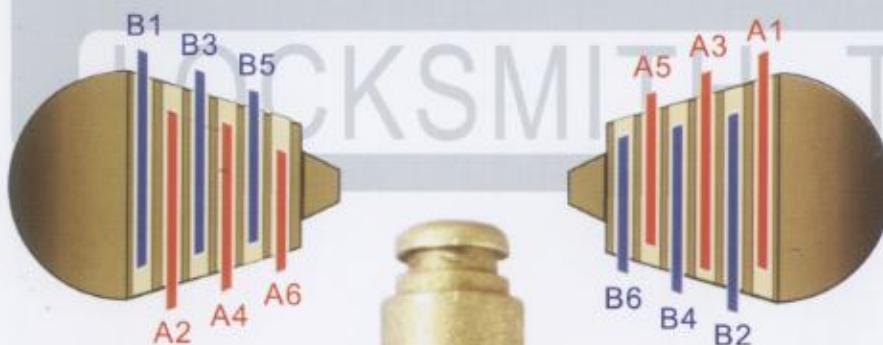
Depth 1 is the deepest cut and number 4 is the shallowest cut

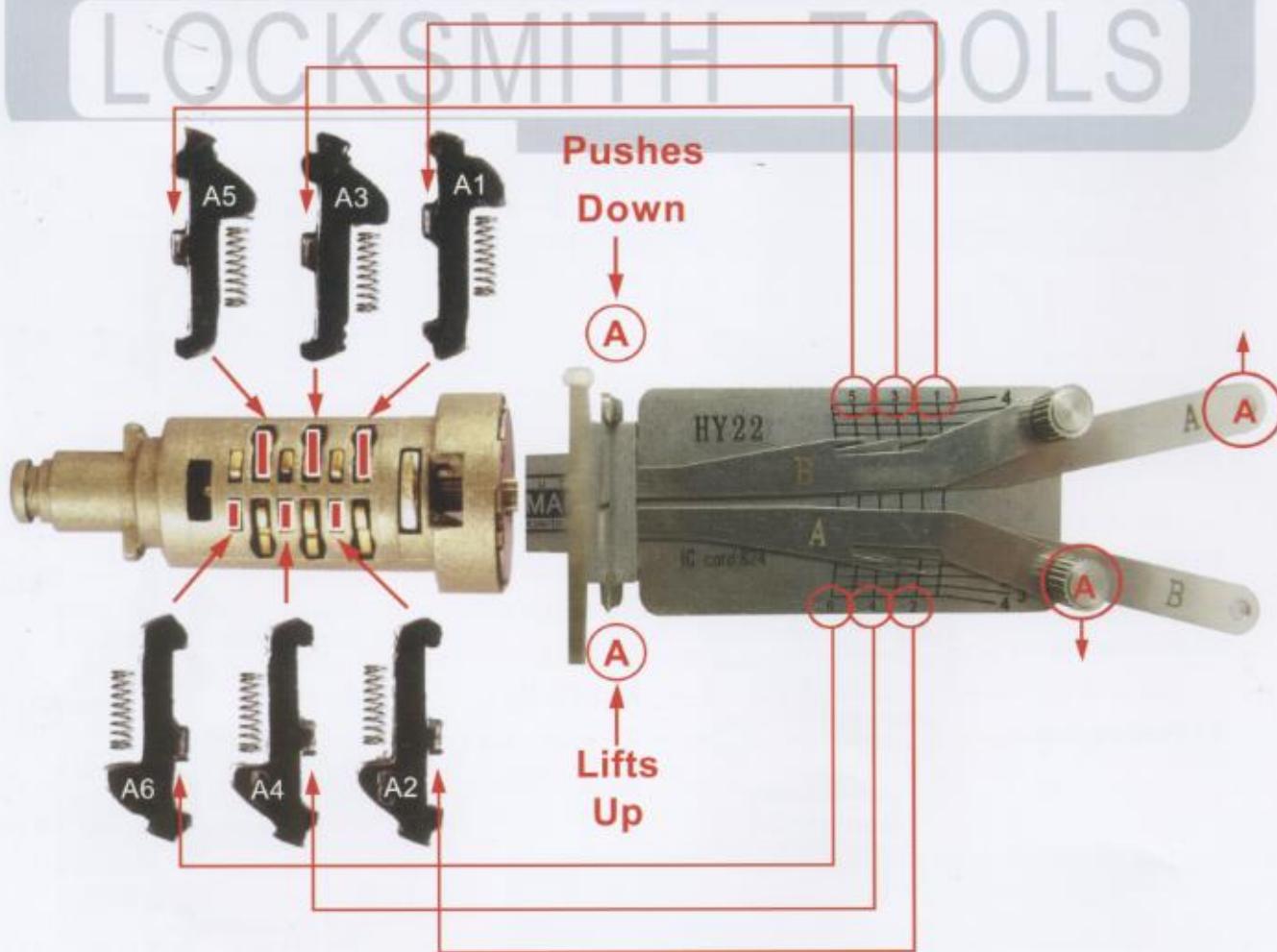
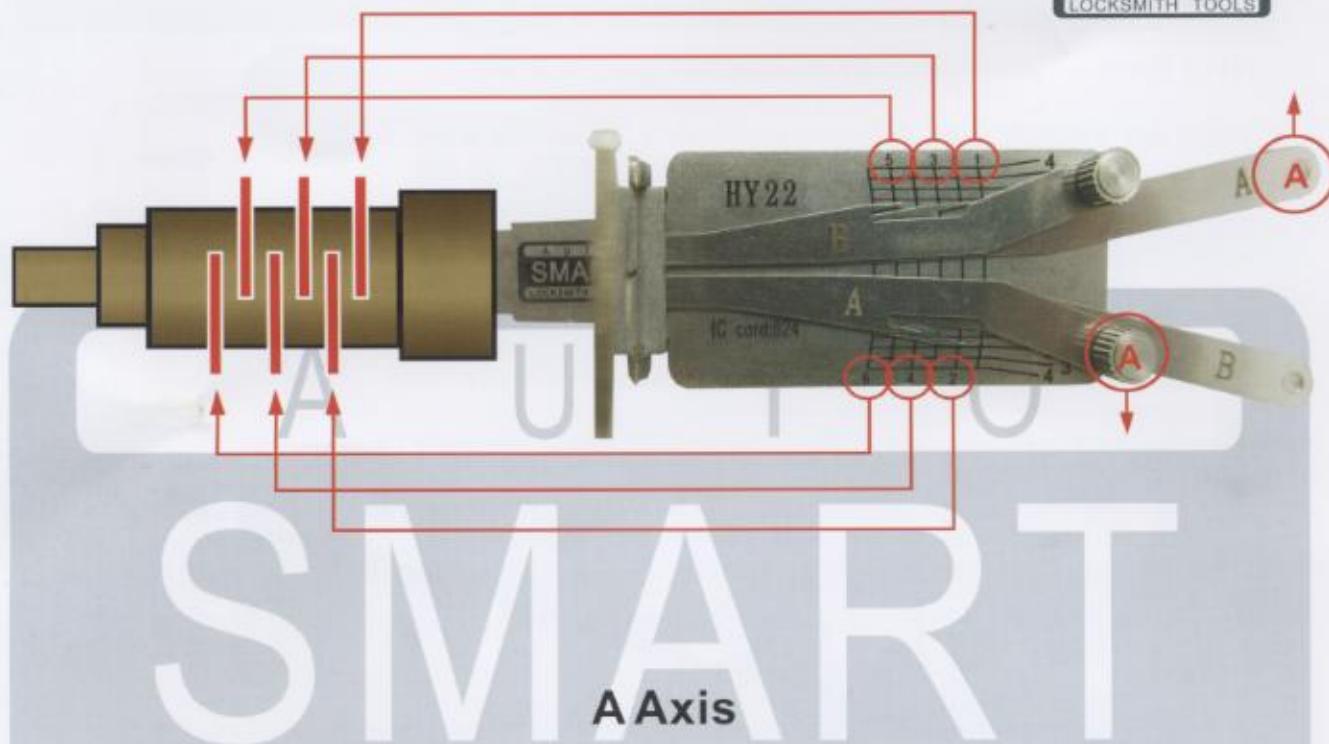
To decode the lock read in the SAME direction as it was picked

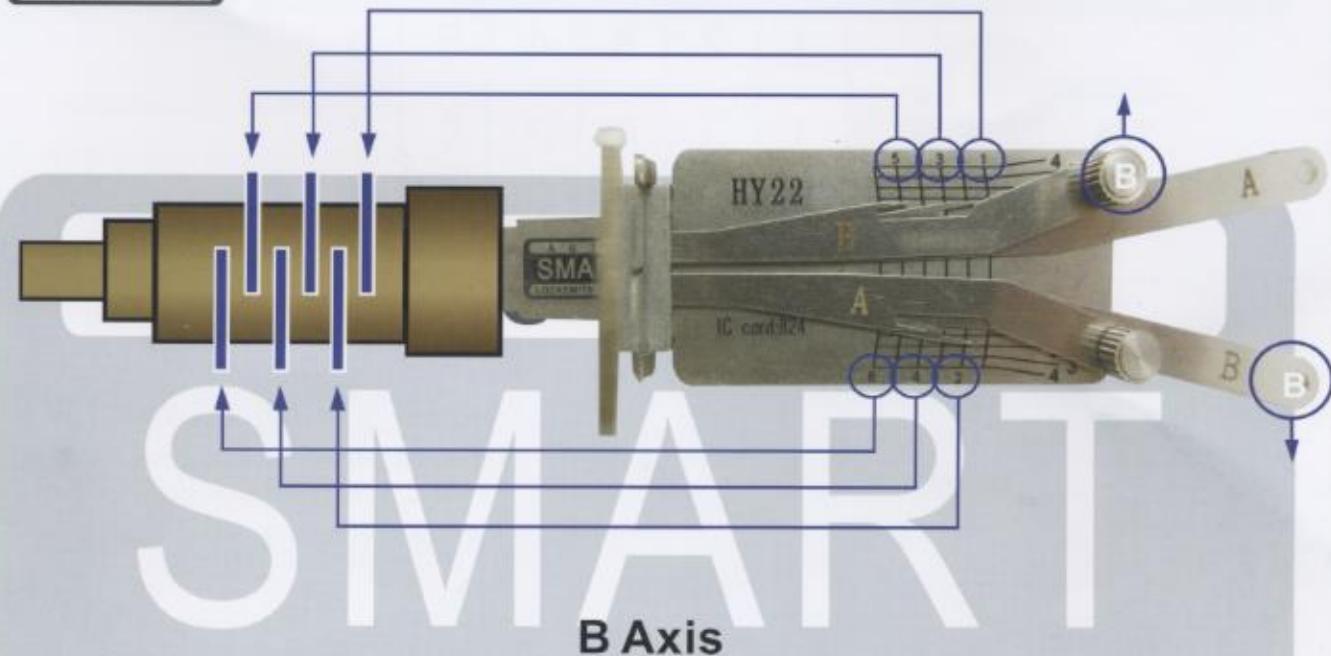
The lock has to be picked twice, first pick and turn approximately 45 degrees

Then pick again to the 90 degrees, the lock has to be in this position to decode

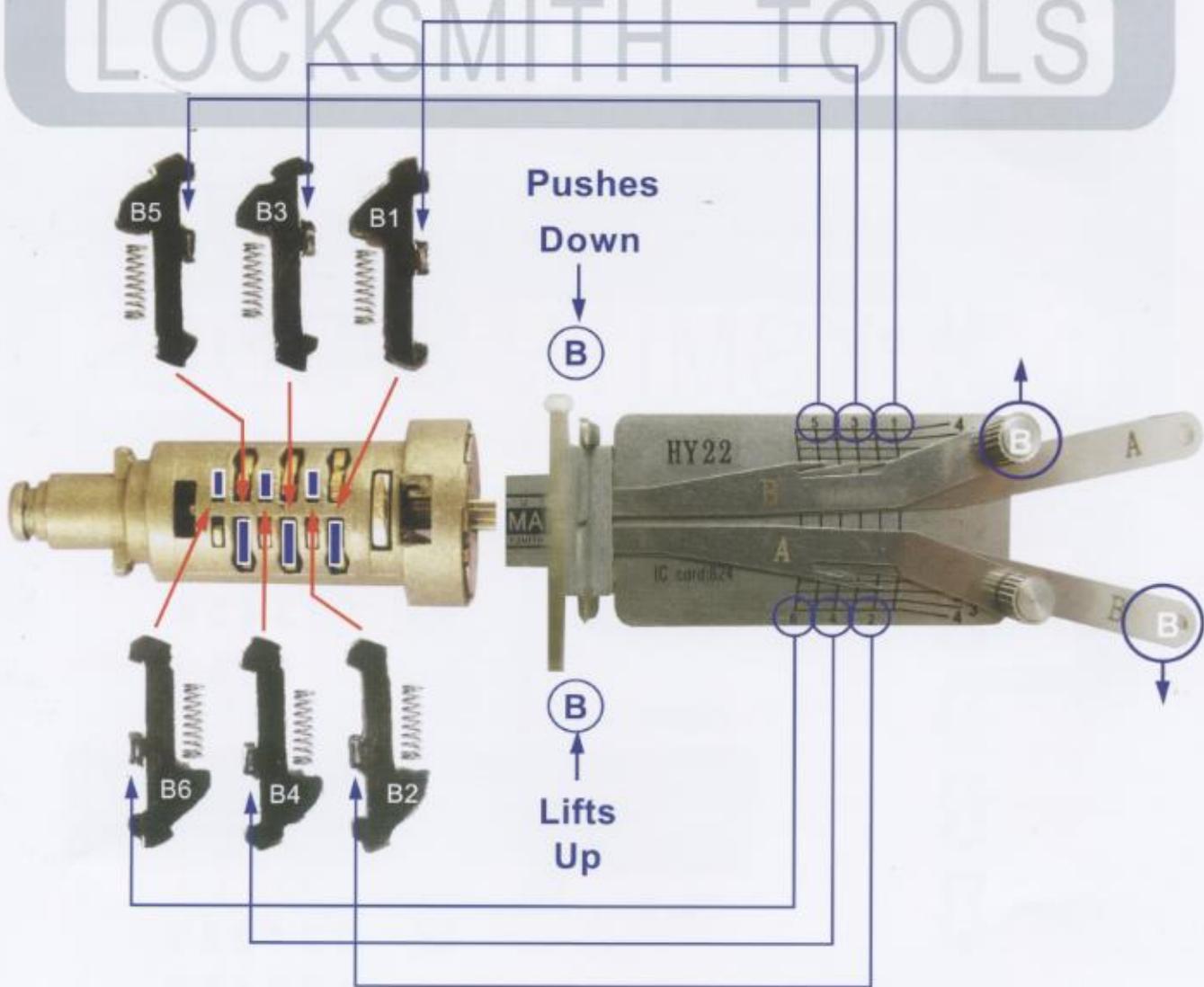
Once the lock is decoded, you can turn it back to the 45 degree position and then it has to be picked back to the upright (vertical) position before you can remove the tool







LOCKSMITH TOOLS



	1	2	3	4	5	6
A	1	3	4	3	4	2
B	3	3	1	2	2	3

Enter known bitting values in corresponding positions



Enable advanced search features

Axis A: Depth Symbols (4, 3, 2, 1)

A

Bitting:	1	2	3	4	5	6
Search:	<input checked="" type="checkbox"/>					
"One Up" also:	<input type="checkbox"/>					

Axis B: Depth Symbols (4, 3, 2, 1)

B

Bitting:	1	2	3	4	5	6
Search:	<input checked="" type="checkbox"/>					
"One Up" also:	<input type="checkbox"/>					

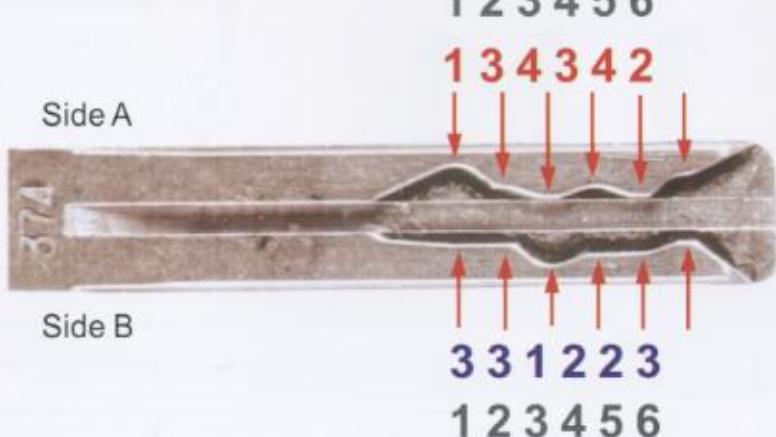
After running through Instacode,
to check it was a correct code

Code	Bitting	
K1655	134342-331223	
-	-	

LOCKSMITH TOOLS



Main key and special key which only use for
2 in 1 decoder and pick tool





NSN14... Nissan, Subaru, Infiniti



Silca NSN14

NSN14 found on: Nissan, Subaru and Infiniti

This lock has 10 spaces and 4 depths

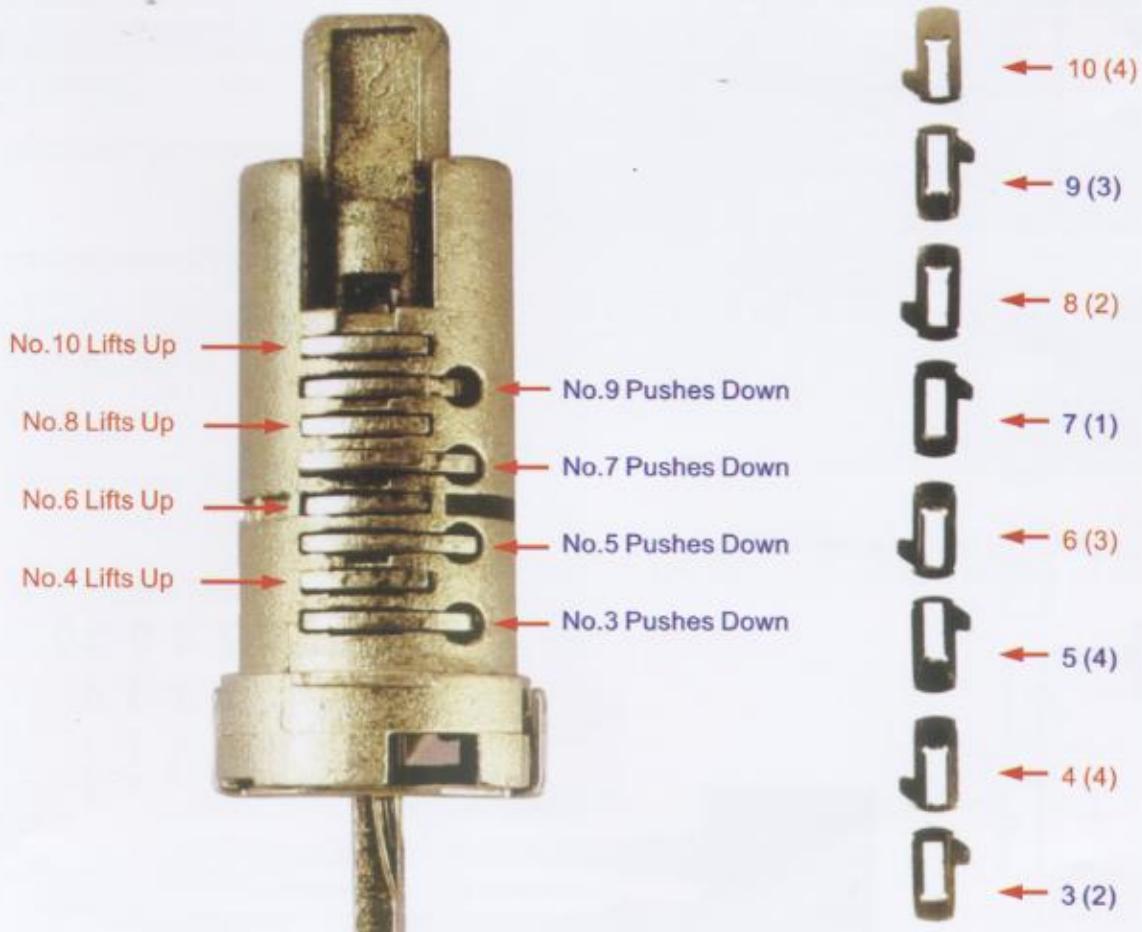
8 of the 10 wafers are in this lock .. Numbers 3 to 10

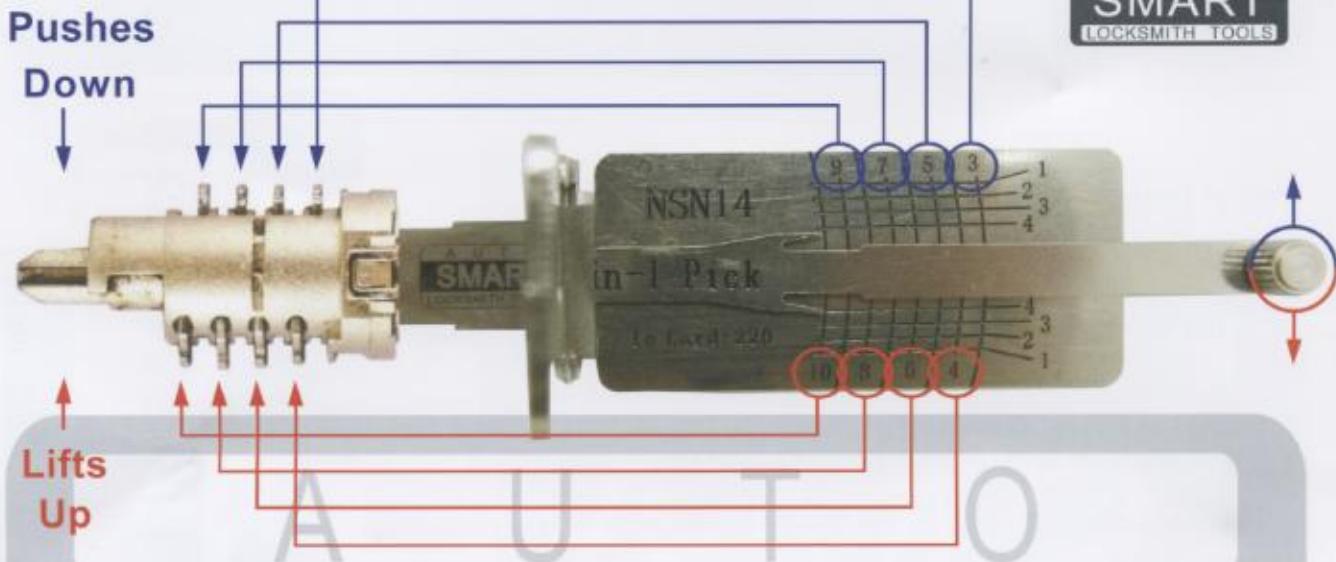
Depth 4 is the deepest cut and number 1 is the shallowest cut

This is a single lever arm 2 in 1 pick/decoder

To decode the lock read in the SAME direction as it was picked

SMART LOCKSMITH TOOLS





After running through Instacode it came up with 4 codes

Our key was the first key on "key 1" on the cutting tree

1	2	3	4	5	6	7	8	9	10
X	X	2	4	4	3	1	2	3	4

Cutting tree	
Key 1	
✓ 21569	1224431234
18804	2324431234
Key 2	
13436	2124431234
14630	3224431234

Enter known bitting values in corresponding positions

- Enable advanced search features
 Search bittings in associated series

Axis A: Depth Symbols (1, 2, 3, 4)

A	1	2	3	4	5	6	7	8	9	10
Bitting:	<input type="checkbox"/>	<input type="checkbox"/>	2	4	4	3	1	2	3	4
Search:	<input checked="" type="checkbox"/>									
"One Up" also:	<input type="checkbox"/>									

Series	Code	Bitting
ISN 2354:1-22185	13436	2124431234
ISN 2354:1-22185	14630	3224431234
ISN 2354:1-22185	18804	2324431234
ISN 2354:1-22185	21569	1224431234

Main key and special key which only use for 2 in 1 decoder and pick tool



1 2 3 4 5 6 7 8 9 10

1 2 2 4 4 3 1 2 3 4

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓





TOY40 - Toyota,Lexus,Kia,Mazda,Mitsubishi

TOY40 found on: Toyota, Lexus, Kia Amanti, Mazda Millenia & Mitsubishi Magna



The first 4 spaces in this lock have one piece wafers and positions 5, 6 and 7 are split wafers

Silca TOY40

Positions 1, 2, 3 and 4 are read ONLY by the "B" side of the decoder, side "A" will not pick or read anything in these positions, as they are not used

Depth 1 is the deepest cut and number 5 is the shallowest cut

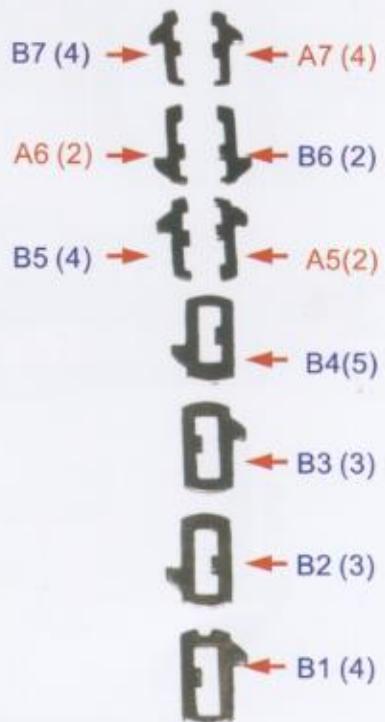
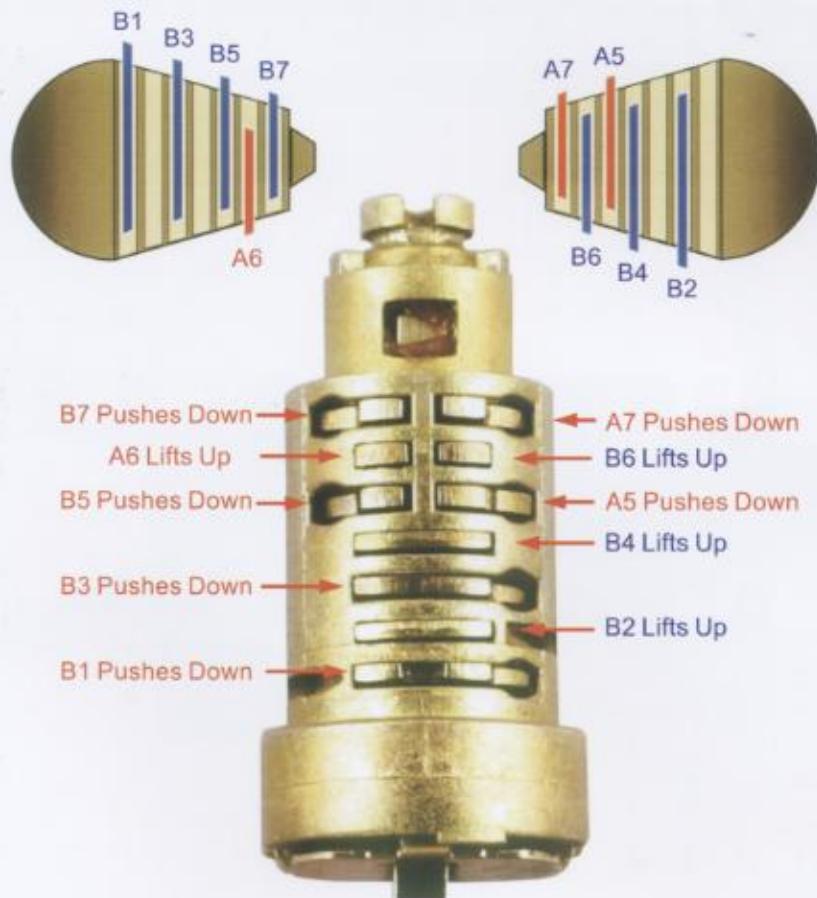
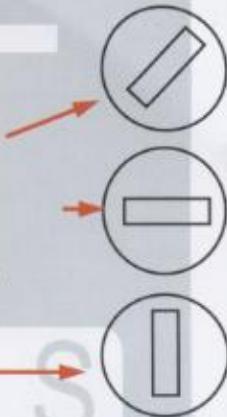
All wafers (tumblers) are stamped/numbered

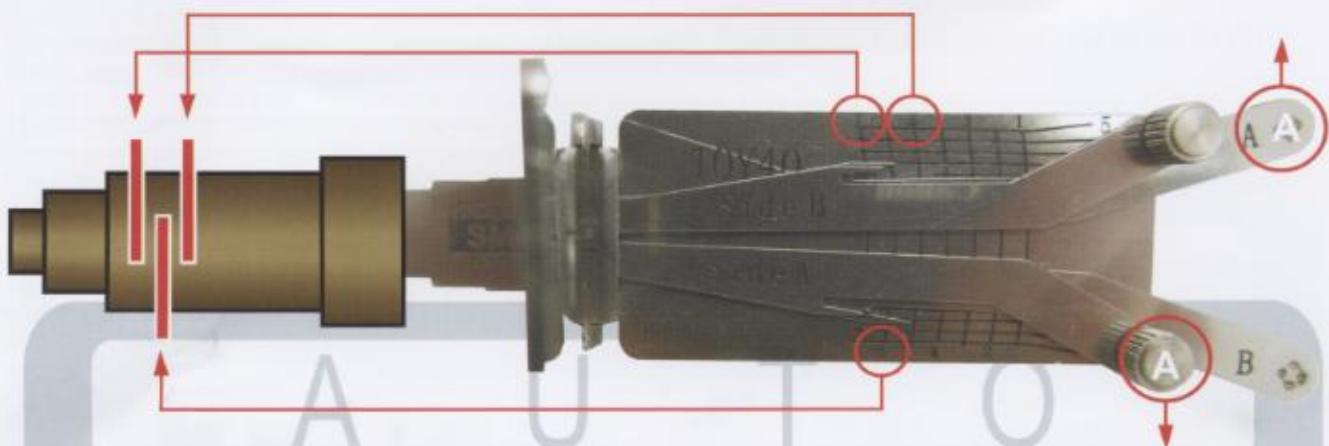
To decode the lock read in the SAME direction as it was picked

The lock has to be picked twice, first pick and turn approximately 45 degrees

Then pick again to the 90 degrees, the lock has to be in this position to decode

Once the lock is decoded, you can turn it back to the 45 degree position and then it has to be picked back to the upright (vertical) position before you can remove the tool

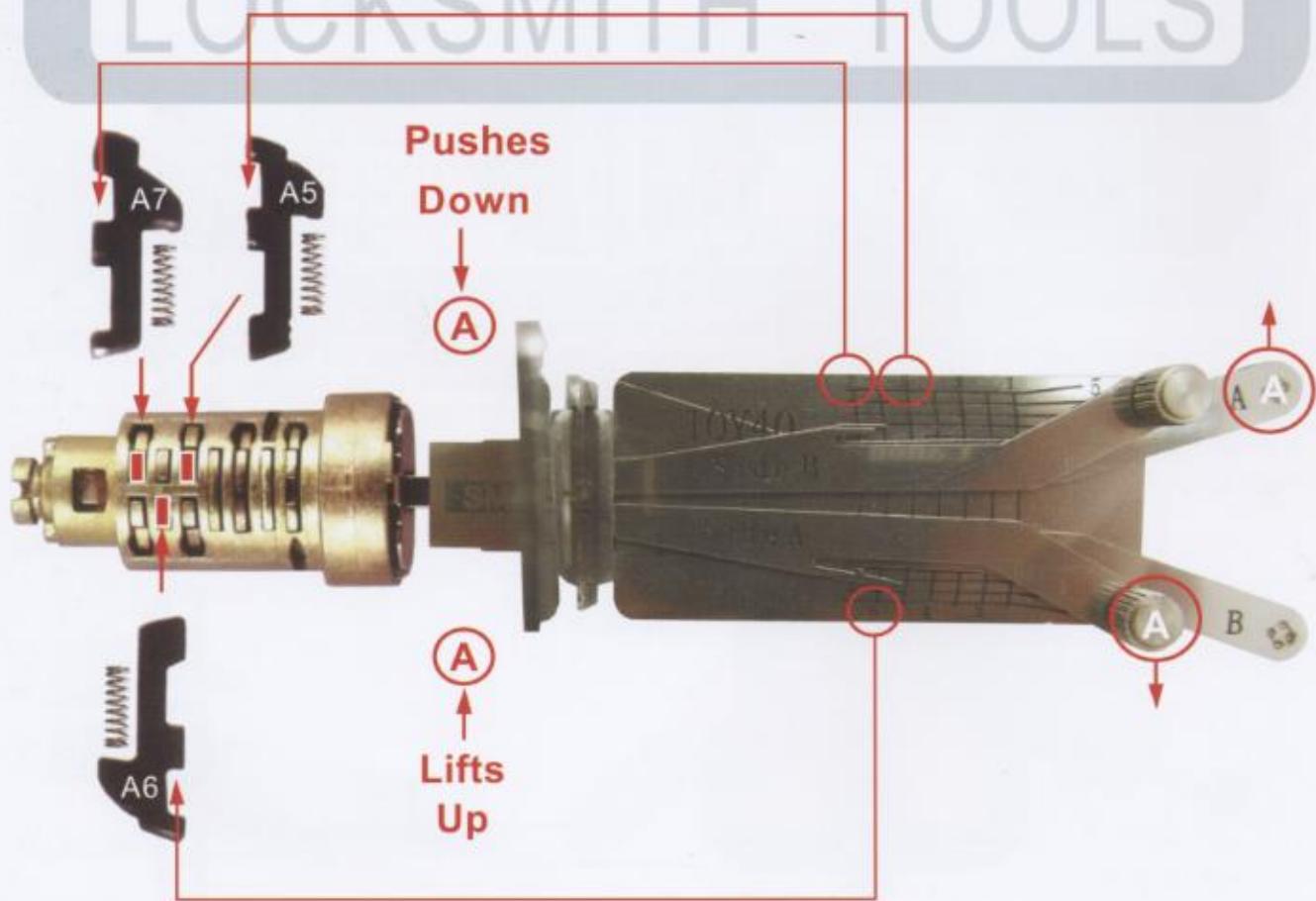


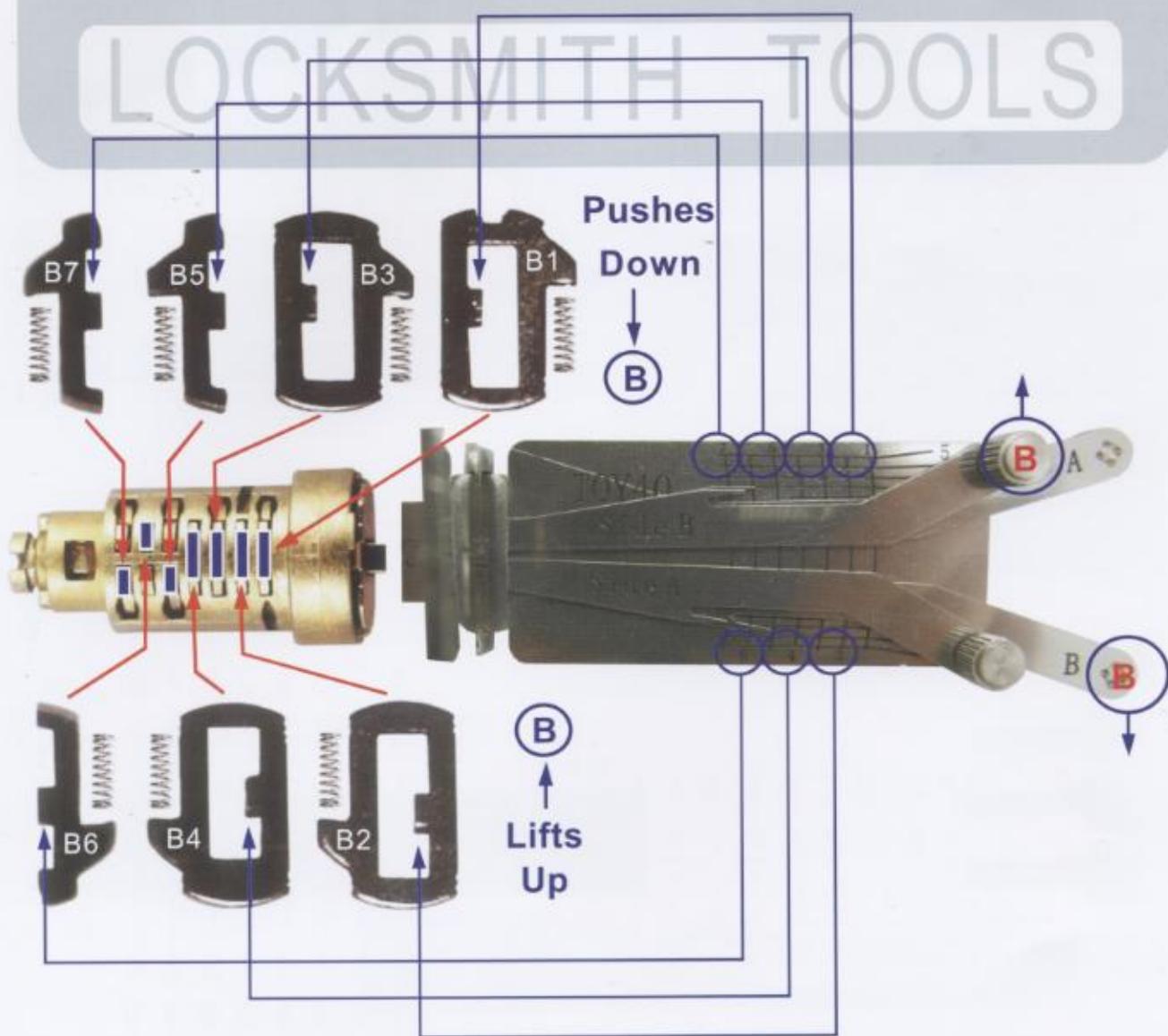
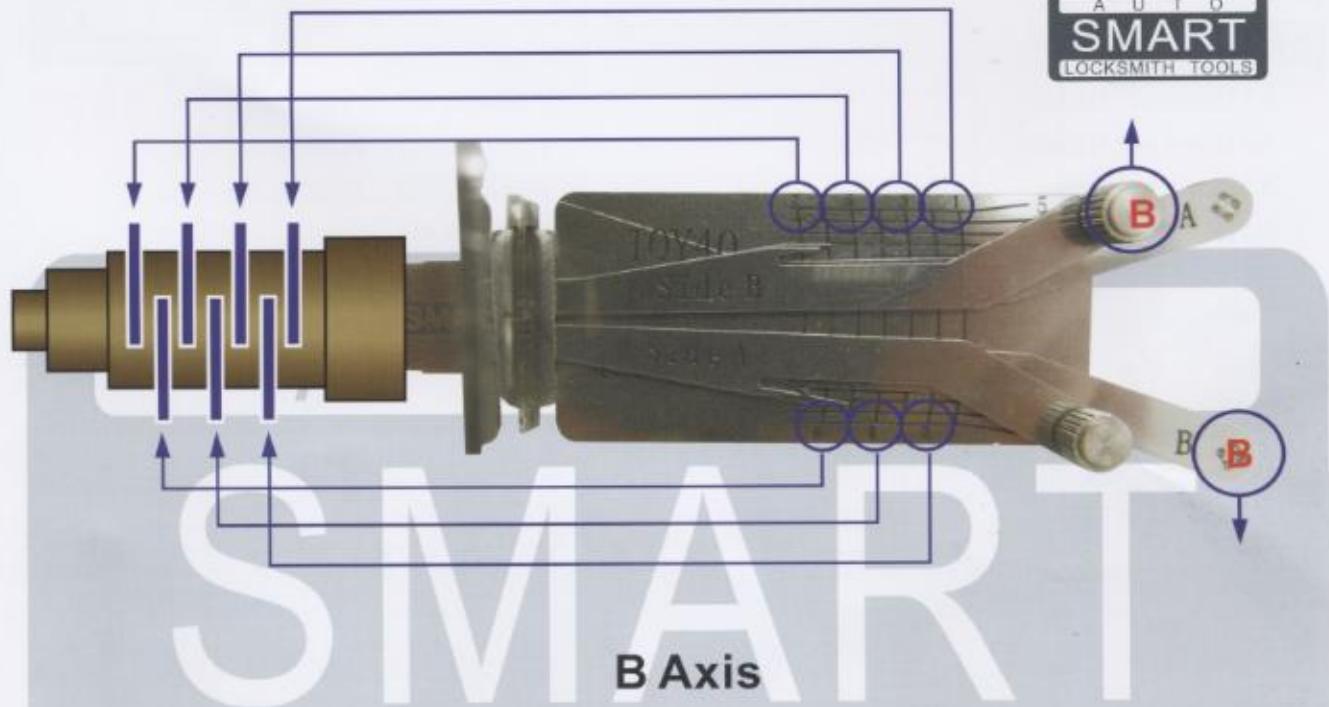


SMART

A Axis

LOCKSMITH TOOLS





A1 Does not Read
 A2 Does not Read
 A3 Does not Read
 A4 Does not Read

Position A5 ...read as a 2
 Position A6 ...read as a 2
 Position A7 ...read as a 4

Position A8 ...No Position 8 in Door

Position B1 ...read as a 4
 Position B2 ...read as a 3
 Position B3 ...read as a 3
 Position B4 ...read as a 5
 Position B5 ...read as a 4
 Position B6 ...read as a 2
 Position B7 ...read as a 4

Position B8 ...No Position 8 in Door

	1	2	3	4	5	6	7	8
A	X	X	X	X	2	2	4	X
B	4	3	3	5	4	2	4	X

Axis A: Depth Symbols (5, 4, 3, 2, 1)

A	1	2	3	4	5	6	7	8
Bitting:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	2	4	<input type="checkbox"/>
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

Axis B: Depth Symbols (5, 4, 3, 2, 1)

B	1	2	3	4	5	6	7	8
Bitting:	4	3	3	5	4	2	4	<input type="checkbox"/>
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

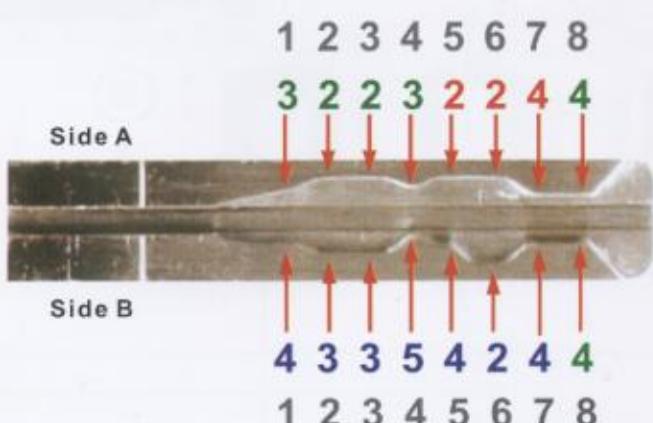
After running through Instacode,

it came up with only one code

Our code was: 30407

Code	Bitting	
30407	32232244-43354244	

Main key and special key which only use for
 2 in 1 decoder and pick tool





TOY40 ... Early Lexus

TOY40 ... This lock was found on an early 1991 Lexus ES250

To read this lock on the numbered lines of the TOY40 tool, it must be used upside down in the lock. ... It can still be read right side up but only on the **non-numbered lines**

The first 4 spaces in this lock (which are positions 2, 3, 4, and 5) have one piece wafers and positions 6 and 7 are split wafers

Positions 2, 3, 4 and 5 are read ONLY by the "B" side of the decoder, side "A" will not pick or read anything in these positions, as they are not used

Depth 1 is the deepest cut and number 5 is the shallowest cut

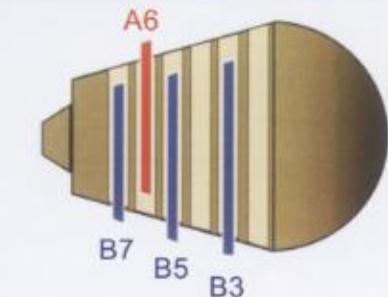
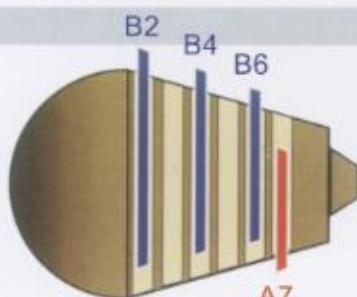
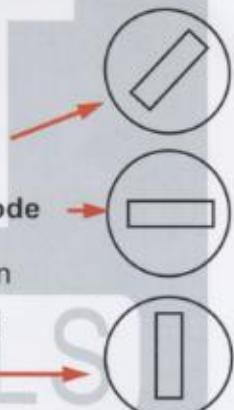
All wafers (tumblers) are stamped/numbered

To decode the lock read in the SAME direction as it was picked

The lock has to be picked twice, first pick and turn approximately 45 degrees

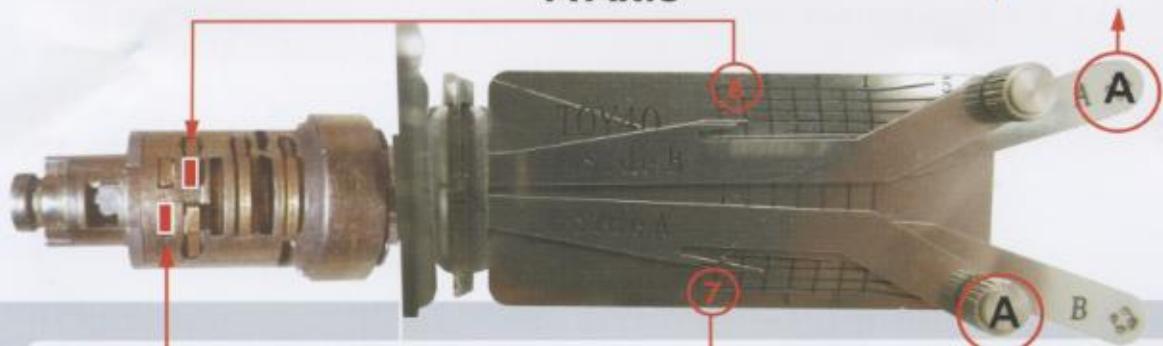
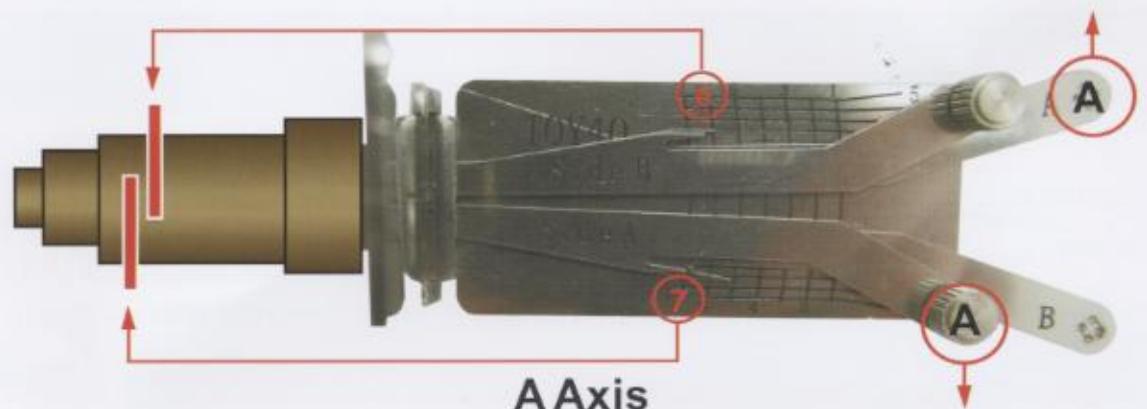
Then pick again to the 90 degrees, the lock has to be in this position to decode

Once the lock is decoded, you can turn it back to the 45 degree position and then it has to be picked back to the upright (vertical) position before you can remove the tool

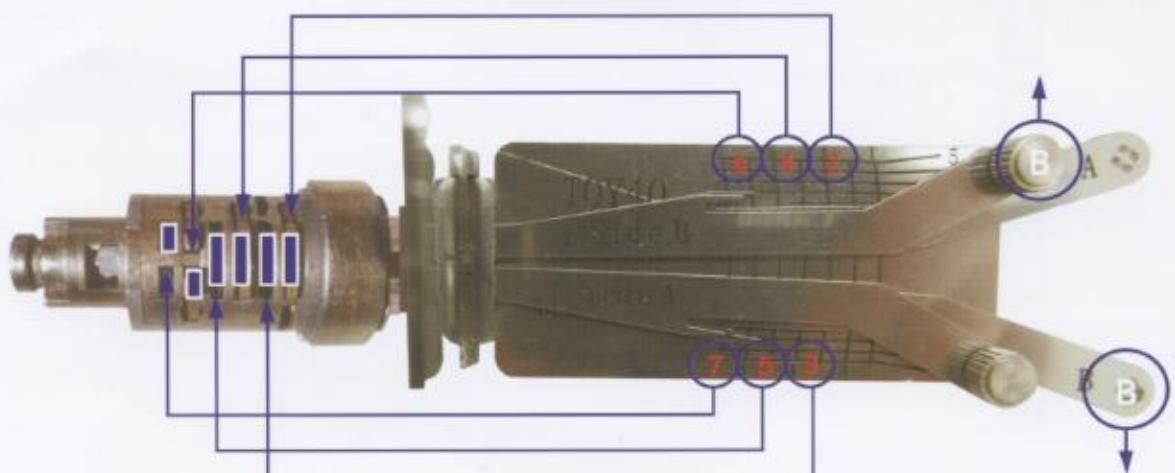
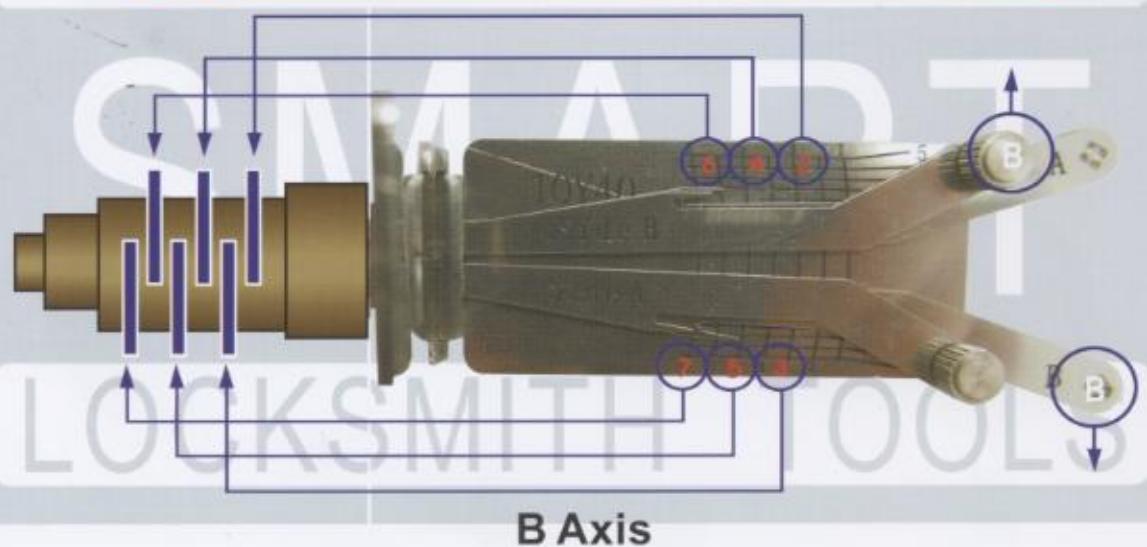


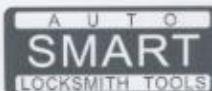
A7 Lifts Up
 B7 Lifts Up
 B6 Pushes Down
 A6 Pushes Down
 B5 Lifts Up
 B4 Pushes Down
 B3 Lifts Up
 B2 Pushes Down





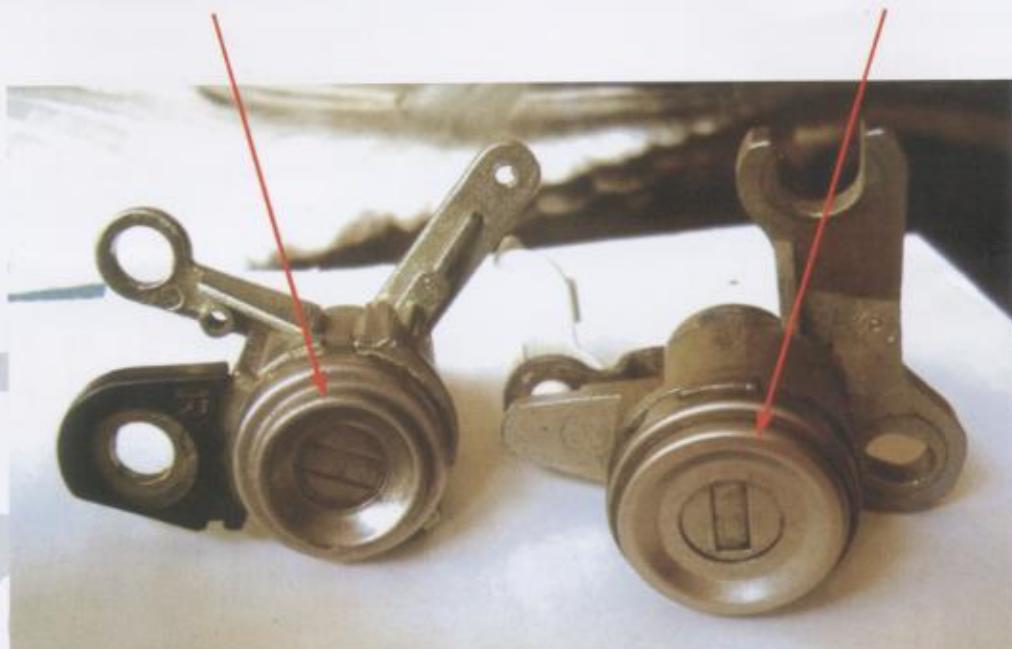
⑥ ③ This shows... Picking and Reading on the **non-numbered lines**





One way to possibly tell the difference between the two locks is by looking at the face caps.

The 8-wafer lock on the left has a closer taper at the shutter, the lock on the right has 10 wafers.



If you are using Genericode to fill in the gaps...

Enter what you read as the "A" axis in the TOP row and what you read as the "B" axis in the BOTTOM row

View Key Data for Series 00001 - 05000

Series Code: 01740

Spacing: .0945

Comment: LEXUS/Sdwm 09+

Increment: 0236

Blank Type 1:

Blank Type 2:

Enter Known Cuts

Enter the known cuts below
To skip a cut enter "-"
For unknown cuts enter "..."

Enter cuts Bow to Tip: ---33-

Enter cuts Bow to Tip: -355442-

OK

Cancel

Cuts								
1	2	3	4	5	6	7	8	
2	3	2	1	3	3	3	4	
4	3	5	5	4	4	2	4	
Spaces								
.878	.783	.689	.594	.500	.406	.311	.217	
Depths								
.118	.094	.071	.047	.024				

Key Views



Machine Details

L Space Rod: LL Use Sidewinder
R Depth Rod: LL machine to duplicate
Cutter: GHCB093 key or use Sidewinder
Guide: GHMS093 2 to originate.
Vise Set: A
Stop: Tip / Flat

Key Blank Comments

Edit

Cuts to Code

Search in Series

Add to History

Enter Cuts



A1 Does not Read
A2 Does not Read
A3 Does not Read
A4 Does not Read
A5 Does not Read

Position A6 ...read as a 3
Position A7 ...read as a 3
Position A8 ...No Position 8 in Door

B1 Does not Read
Position B2 ...read as a 3
Position B3 ...read as a 3
Position B4 ...read as a 5
Position B5 ...read as a 4
Position B6 ...read as a 2
Position B7 ...read as a 4
Position B8 ...No Position 8 in Door

	1	2	3	4	5	6	7	8
A	X	X	X	X	X	3	3	X
B	X	3	5	5	4	4	2	X

Axis A: Depth Symbols (5, 4, 3, 2, 1)

A	1	2	3	4	5	6	7	8
Bitting:	<input type="checkbox"/>	3	3	<input type="checkbox"/>				
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

Axis B: Depth Symbols (5, 4, 3, 2, 1)

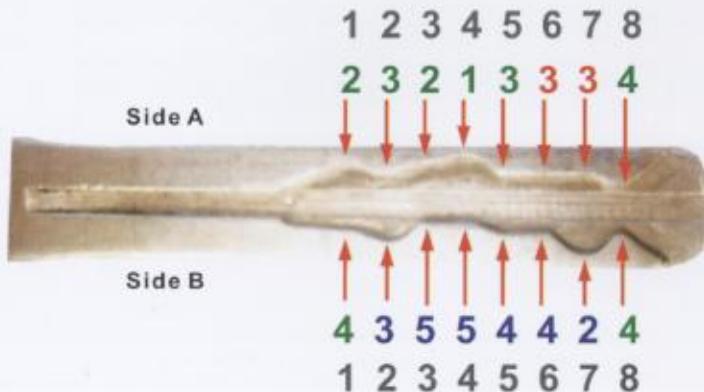
B	1	2	3	4	5	6	7	8
Bitting:	<input type="checkbox"/>	3	5	5	4	4	2	<input type="checkbox"/>
Search:	<input checked="" type="checkbox"/>							
"One Up" also:	<input type="checkbox"/>							

After running through Instacode,
it came up with only 2 codes

Our code was: O1740

Code	Bitting
O1740	23213334-43554424
O4943	42213334-43554424

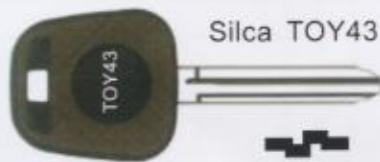
Main key and special key which only use for
2 in 1 decoder and pick tool





TOY43R ... Toyota, Suzuki, Pontiac, Scion

TOY43 found on: Toyota, Suzuki, Pontiac, Scion



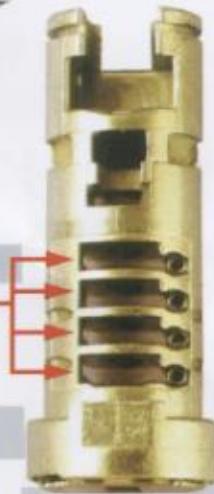
This lock has 10 spaces and 4 depths

8 of the 10 wafers are in this lock .. Numbers 3 to 10

Depth 4 is the deepest cut and number 1 is the shallowest cut

The wafers in this lock are opposing 1 up 1 down BUT they are in pairs and each pair occupy the same chamber ...

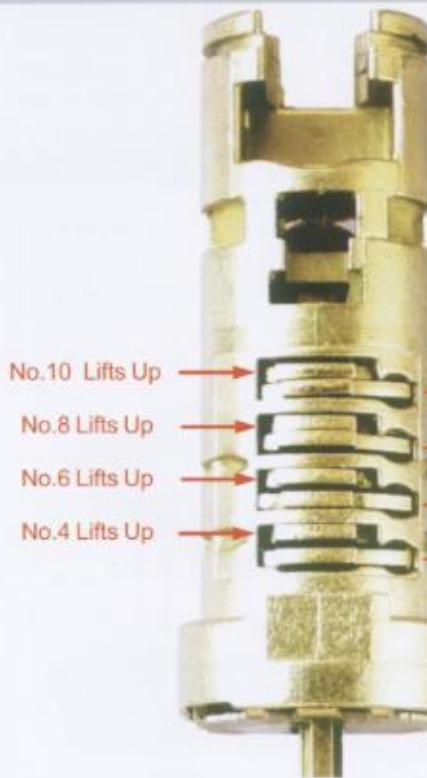
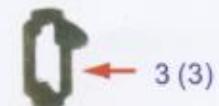
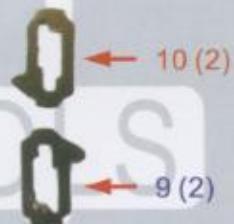
4 Chambers



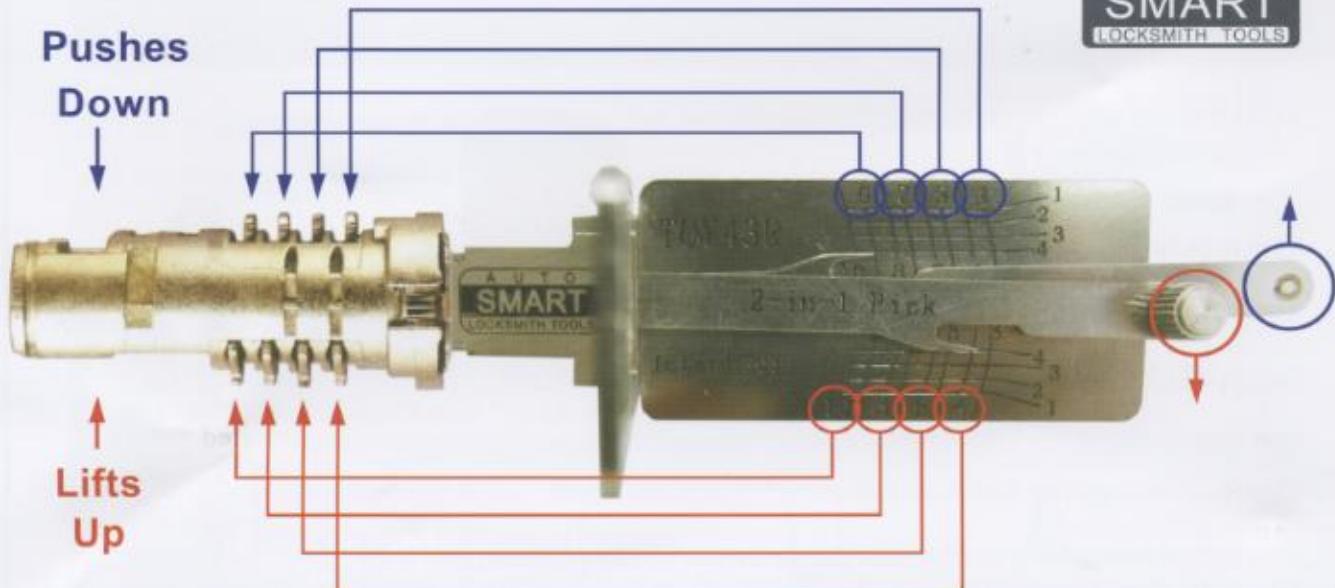
This Smart tool is for the 10 space (code series 50000 - 59999) and NOT the 8 space lock (code series 1 - 5000 and 10001 - 15000)

DO NOT attempt to pick or decode the 8 cut series as this lock has 2 split wafers and these may get jammed if this tool is used

To decode the lock read in the SAME direction as it was picked



AUTO
SMART
LOCKSMITH TOOLS



1	2	3	4	5	6	7	8	9	10
X	X	3	4	4	3	3	4	2	2

After running through Instacode it came up with 8 codes

2 keys ... Last cut on first key

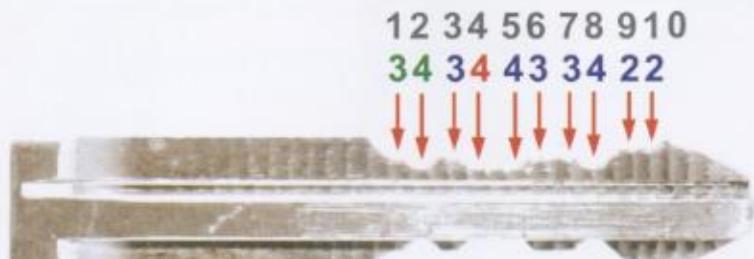
Enter known bitting values in corresponding positions

Enable advanced search features

Axis A: Depth Symbols (1, 2, 3, 4)

A	1	2	3	4	5	6	7	8	9	10
Bitting:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 2
Search:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
"One Up" also:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Cutting tree	
Key 1	
67879	1134433422
65879	1234433422
61879	2234433422
59879	2334433422
55879	334433422
53879	3434433422
Key 2	
63879	2134433422
57879	3234433422





Toyota TOY43R 2 in 1 decoder and pick tool user manual

AUTO SMART LOCKSMITH TOOLS full detail and introduction:

Hong Kong Patented product.

AUTO SMART LOCKSMITH TOOLS

A variety of functions: Lighting, pick and decoder.

Complete varieties, exquisite workmanship, the night lighting, open rate 100% and decoder rate 100%.

World-class products, the necessary product of the global locksmith . These products have been sold all over the world.

These products by internationally renowned locksmith master himself Identification and tested.

These products are the world's leading the locksmith intelligent tools for unlocking

The detail for Toyota TOY43R 2 in 1 decoder and pick tool as follow:

Open sequence:

First enter the working part of 2 in 1 decoder and pick tool into the button of Lock cylinder ,then unfold the driven Lever of 2 in 1 decoder and pick tool . Meanwhile use appropriate Strength hold on it by left hand. (If work under dark light then you can open the light)

First pick the Side "A" 3、5、7、9 wafer. And then pick the Side

"B" 4、6、8、10 wafer till the Lock be opened.

Decoder sequence:

First read the Side "A" 3、5、7、9 wafer, and then read the Side "B" 4、6、8、10 wafer.

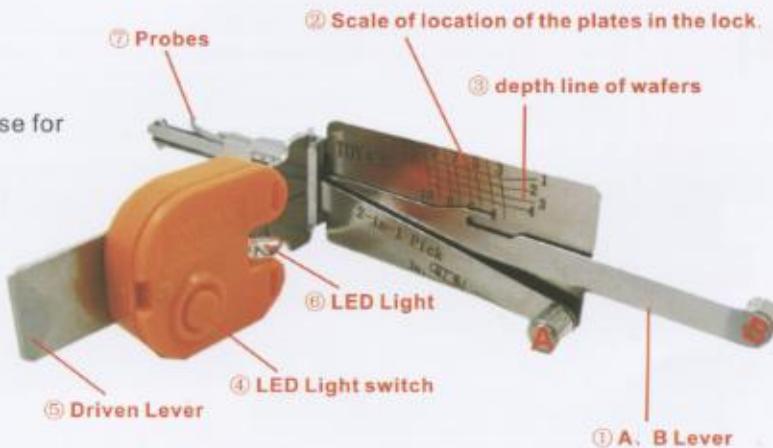
After finish reading then use the key cutter to cut the special key which only use for 2 in 1 decoder and pick tool. Finish all cutting then an unbroken key have been made and it can use for open the lock.

LOCKSMITH TOOLS

Toyota Camry, Corolla, Reiz, Toyota Camry and other models



Main key and special key which only use for 2 in 1 decoder and pick tool





No.6 Pushes Down

No.5 Pushes Down

No.4 Pushes Down

No.3 Pushes Down

No.2 Pushes Down

No.1 Pushes Down

LOCKSMITH TOOLS

Smart Keys

Search

- View all
- Matching keys
- BMW
- CITROËN
- DAEWOO
- FORD
- GENESIS
- HONDA
- KIA
- LINCOLN
- MITSUBISHI
- NISSAN
- PORSCHE
- RENAULT
- SMART
- SEAT
- SUBARU
- TOYOTA
- VOLKSWAGEN
- YACHTS
- Z MITSUBISHI
- Z NISSAN
- Z SEAT
- Z SUBARU
- Z TOYOTA
- Z VOLKSWAGEN

Renault Smart Key

1 2 3 4 5 6
HARDWARE CLOUDS PRO EDS
1 3 2 4 4 5

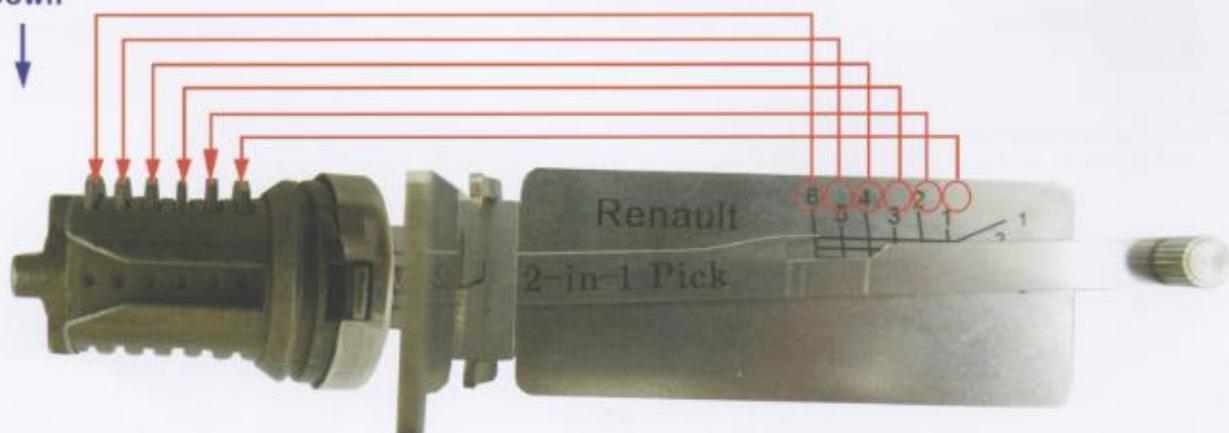
miracle

132445

Code Adjustment
Delete
Save
Start Cut/Copy

Pushes

Down





Renault 2 in 1 decoder and pick tool user manual

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The detail for Renault 2 in 1 decoder and pick tool as follow:

Renault key blank

Renault lock cylinder structure diagram:

Open sequence:

First enter the working part of 2 in 1 decoder and pick tool into the button of Lock cylinder , then unfold the driven Lever of 2 in 1 decoder and pick tool. Meanwhile use appropriate Strength hold on it by left hand.(If work under dark light then you can open the light)

First pick the Side "A" 1、3、5 wafer. And then pick the Side "B" 2、4、6 wafer till the Lock be opened.

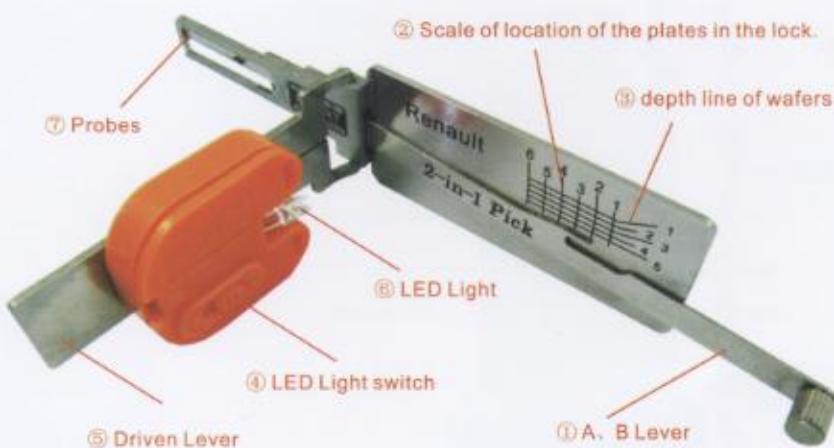
Decoder sequence:

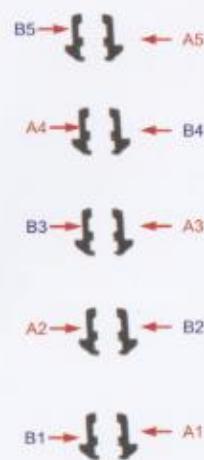
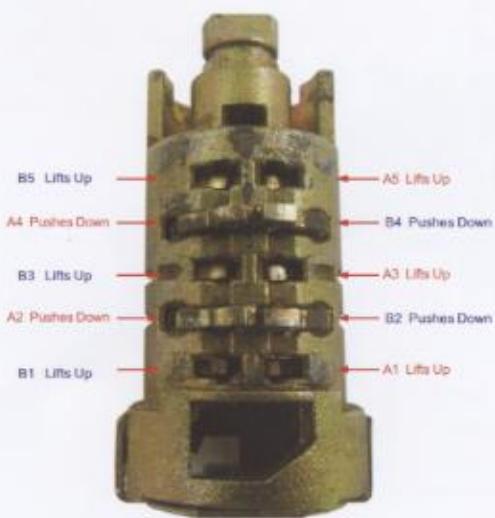
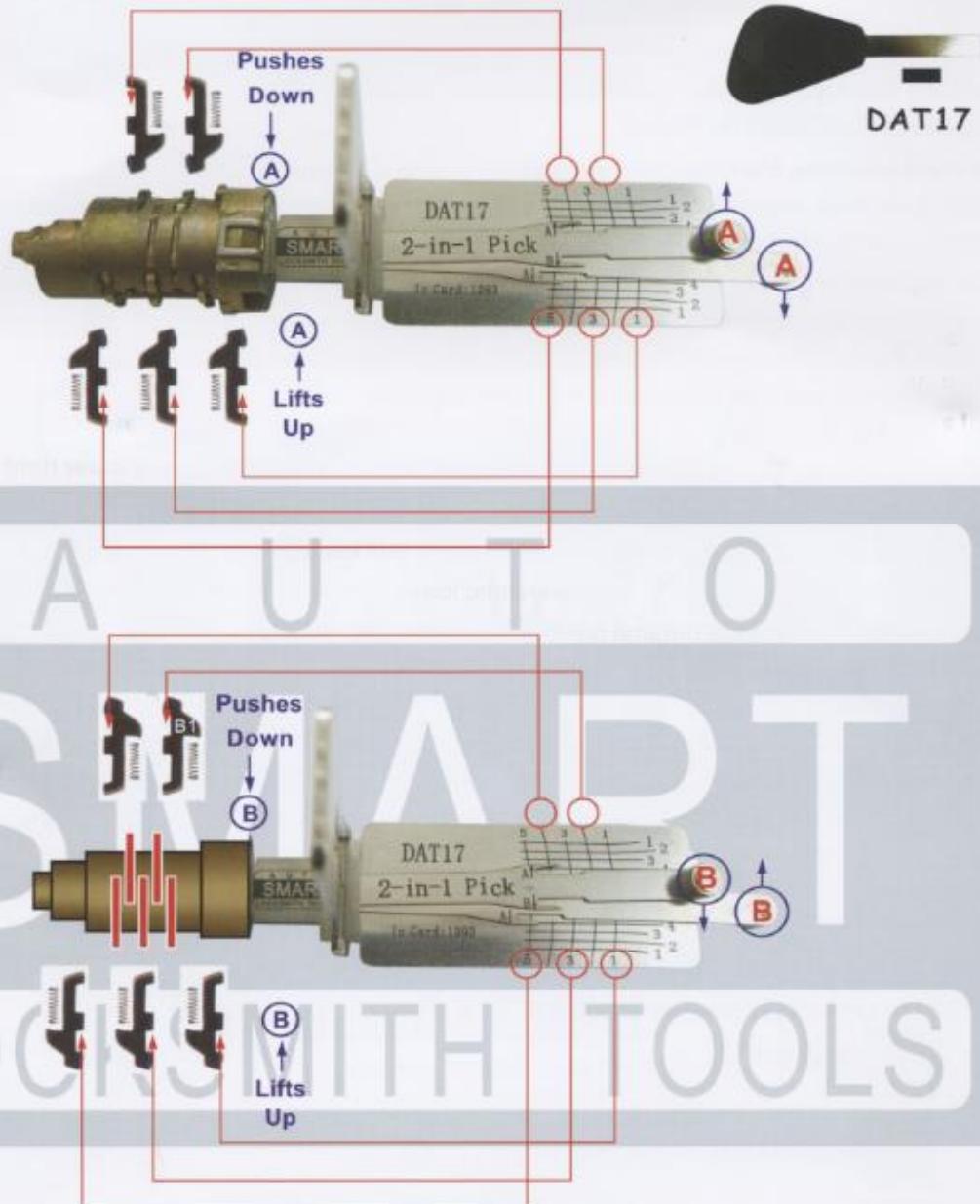
First read the Side "A" 1、3、5 wafer, and then read the Side "B" 2、4、6 wafer. After finish reading then use thekey cutter to cut the special key which only use for 2 in 1 decoder and pick tool. Finish all cutting then an unbrokenkey have been made and it can use for open the lock.



Main key and special key which only use for
2 in 1 decoder and pick tool

Renault car Series







Fuji, Subaru DAT17 2 in 1 decoder and pick tool user manual

AUTO SMART LOCKSMITH TOOLS full detail and introduction:

Hong Kong Patented product.

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Detail for Fuji, Subaru DAT17 2 in 1 decoder and pick tool as follow:

Open sequence :

First of all ,pick the top right 3 pieces wafers or 2pieces wafers and the lower left 3 pieces wafers or 2 pieces wafers. After then pick the upper left 2 pieces wafers or 3 pieces wafers and the lower right 2 pieces wafers or 3 pieces wafers.

After the Lock cylinder turn around to 45 degree there still leave some wafers Stuck

(upper left 3 pieces wafers or 2 pieces wafers and lower right 3 pieces wafers or 2 pieces wafers)

The Lock cylinder back to the original position then you need to pick follow wafers:

Upper left 3 pieces wafers or 2 pieces wafers and the lower right 3 pieces wafers or 2 pieces wafers.

Remark:

Half a slice of lock cylinder structure for Fuji, Subaru DAT17 car

Decoder sequence:

Remember read the Side "A" all wafers first then read Side

"B" all wafers. When decoder meanwhile write down

the code. Now first we should read Side "A" the top right the third wafer or second wafer.

And then read the lower left the third wafer or second wafer. Finish Side "B" then we start to read

Side "B" the top right second wafer or the third wafer. And the lower right second wafer or the third wafer.

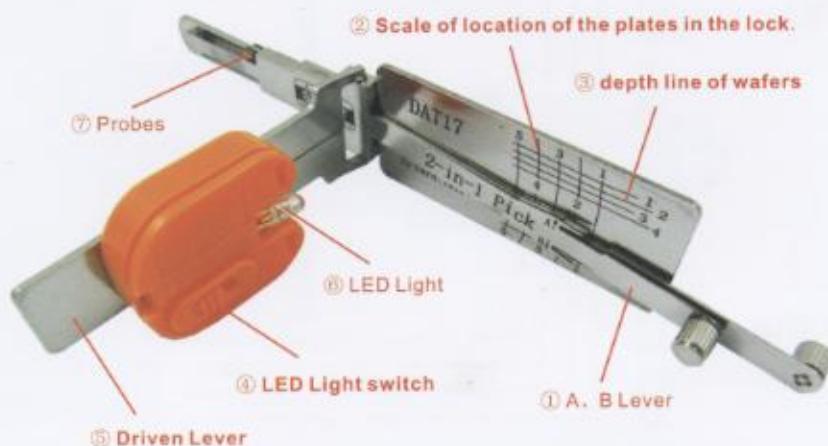
And then read the upper left the third wafer or second wafer and the lower right the third wafer or second wafer.

After then decoder finish.

Main key and special key which only use for

2 in 1 decoder and pick tool

Fuji, Subaru car models



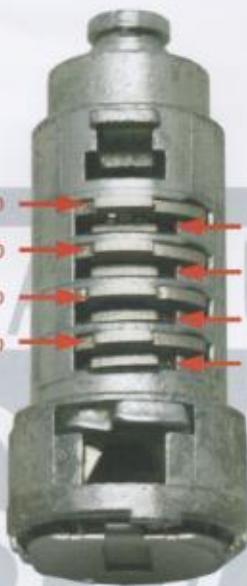


TOY2 2011 TOYOTA, LEXUS



TOY2

- No.8 Lifts Up
 No.6 Lifts Up
 No.4 Lifts Up
 No.2 Lifts Up
- No.7 Pushes Down
 No.5 Pushes Down
 No.3 Pushes Down
 No.1 Pushes Down



TOY48 (2011)

1	2	3	4
1	4	1	1

3	3	4	2
1	2	3	4

miracle

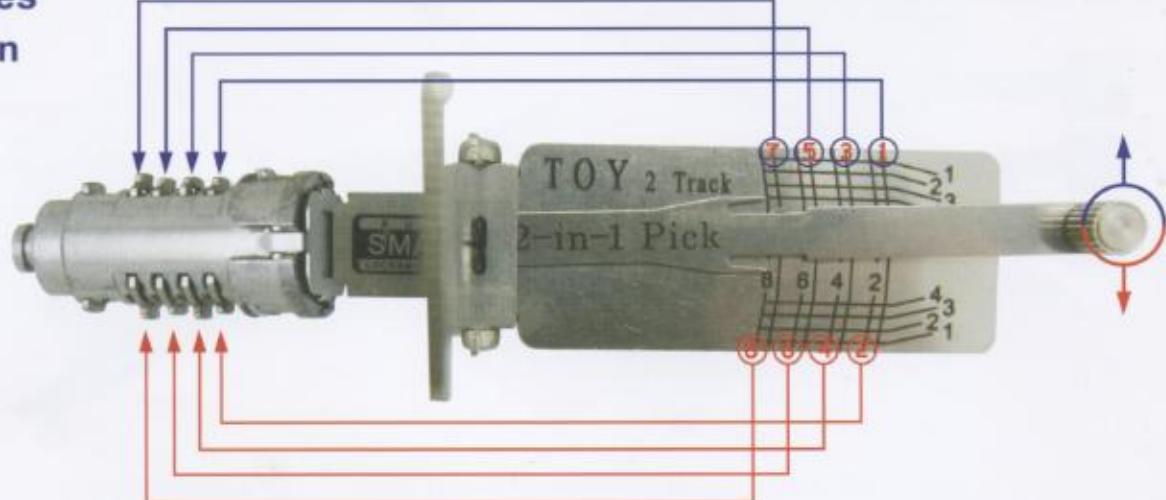
(1 key) x TOY48 (2011)
1411-3342

4

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Using this software without a license
is illegal and will result in legal action.

Decode <- > Reset Start Key Cutting

Pushes
Down
↓





Toyota TOY2 2 in 1 decoder and pick tool user manual

AUTO SMART LOCKSMITH TOOLS full detail and introduction:

Hong Kong Patented product.

AUTO SMART LOCKSMITH TOOLS

A variety of functions: Lighting, pick and decoder.

Complete varieties, exquisite workmanship, the night lighting, open rate 100% and decoder rate 100%.

World-class products, the necessary product of the global locksmith .

These products have been sold all over the world.

These products by internationally renowned locksmith master himself identification and tested.

These products are the world's leading the locksmith intelligent tools for unlocking

The detail for Toyota TOY2 2 in 1 decoder and pick tool as follow:

Open sequence:

First enter the working part of 2 in 1 decoder and pick tool into the button of Lock cylinder ,

then unfold the driven Lever of 2 in 1 decoder and pick tool.

Meanwhile use appropriate Strength hold on it by left hand.

(If work under dark light then you can open the light)

First of all, pick 1、3、5、7 wafer, and then pick the 2、4、6、8 wafer till the lock be opened.

Decoder sequence:

After open the lock then decoder. First read 1、3、5、7 wafer, After then read 2、4、6、8 wafer.

After finish reading then use the key cutter to cut the special key which only use for 2 in 1 decoder and pick tool.

Finish all cutting then an unbroken key have been made and it can use for open the lock..

New Lexus Toyota 4700 Series ect.



Main key and special key which only use for
2 in 1 decoder and pick tool



TOY48 found on: Toyota & Lexus

There are 5 spaces & 3 depths in this lock, all wafers are split and occupy their own chamber



All positions can be read with the Smart tool

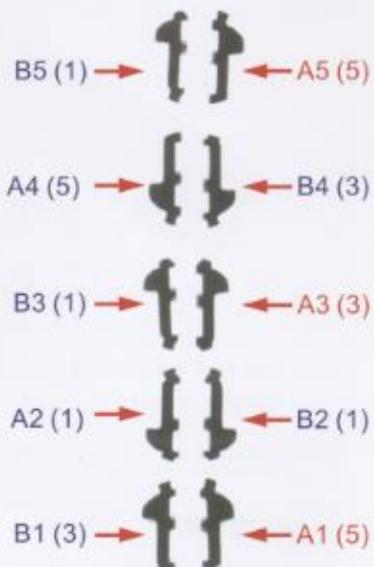
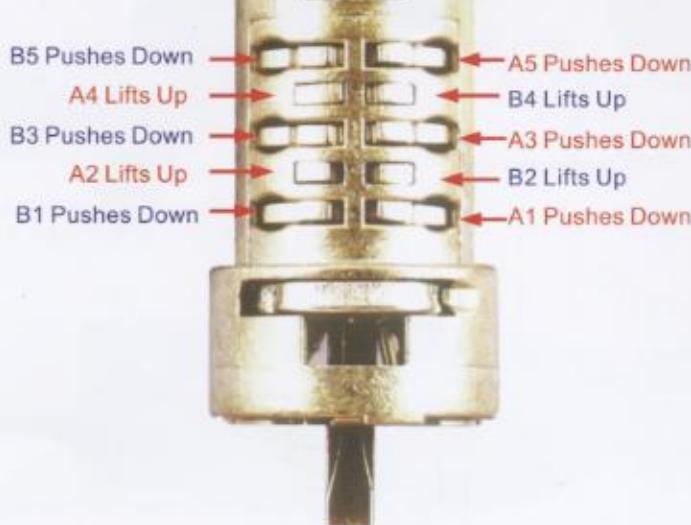
Depth 1 is the deepest cut and number 5 is the shallowest cut

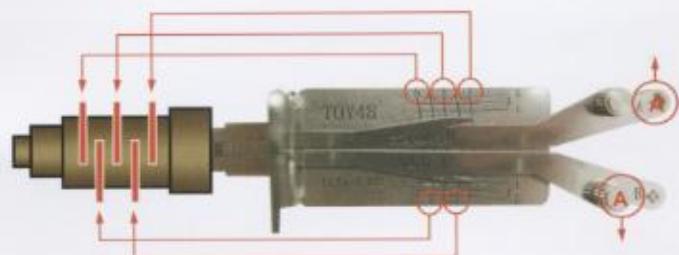
To decode the lock read in the SAME direction as it was picked

The lock has to be picked twice, first pick and turn approximately 45 degrees

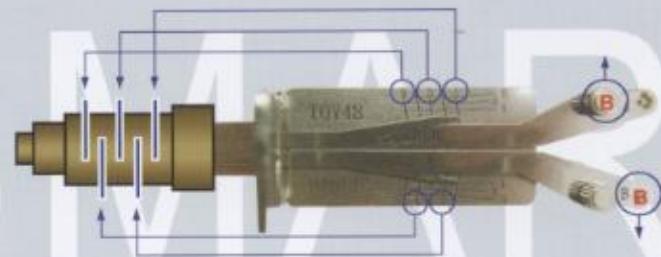
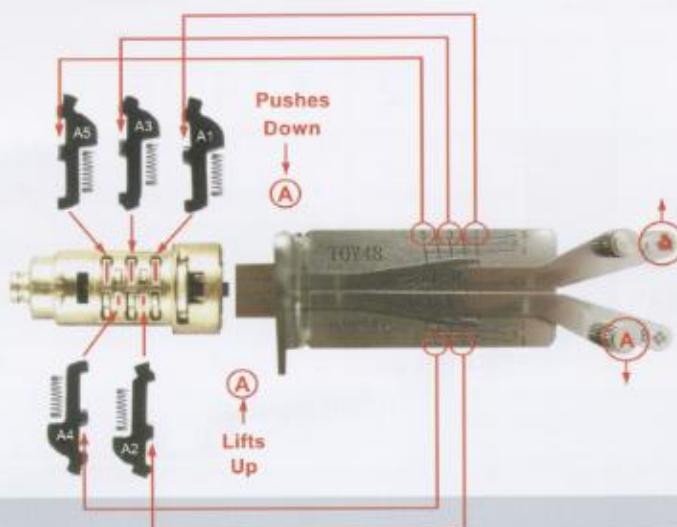
Then pick again to the 90 degrees, the lock has to be in this position to decode

Once the lock is decoded, you can turn it back to the 45 degree position and then it has to be picked back to the upright (vertical) position before you can remove the tool

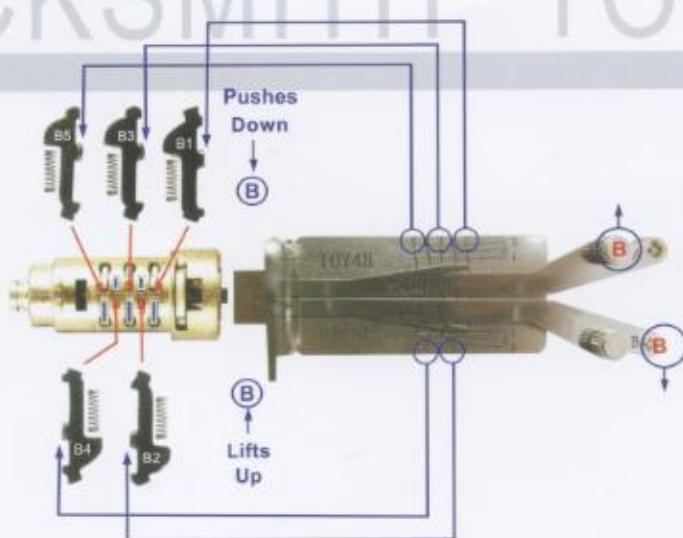




A Axis



B Axis



Position A1... read as a 5
 Position A2... read as a 1
 Position A3... read as a 3
 Position A4... read as a 5
 Position A5... Read as a 5

Position B1... read as a 5
 Position B2... read as a 1
 Position B3... read as a 3
 Position B4... read as a 5
 Position B5... read as a 5

	1	2	3	4	5
A	5	1	3	5	5
B	3	1	1	3	1

Enter known bitting values in corresponding positions



Enable advanced search features

Axis A: Depth Symbols (5, 3, 1)

A

Bitting: 1 2 3 4 5
 5 1 3 5 5

Search:

"One Up" also:

Axis B: Depth Symbols (5, 3, 1)

A

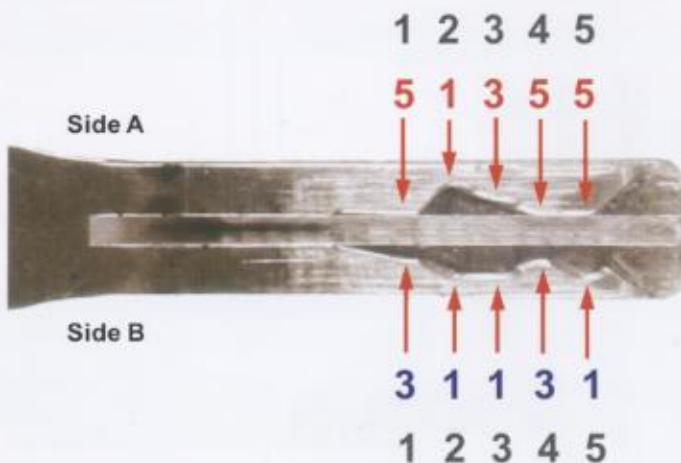
Bitting: 1 2 3 4 5
 3 1 1 3 1

Search:

"One Up" also:

After running through Instacode
 to check it was a correct code

Code	Bitting	
44147	51355-31131	



AUTO SMART LOCKSMITH TOOLS

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The detail for Toyota TOY48 2 in 1 decoder and pick tool as follow:

Open sequence for left front door of TOY48

First pick top right 3 or 2 pieces wafer and the lower left 3 or 2 pieces wafer

Then pick the upper left 2 or 3 pieces wafer and the lower right 2 or 3 pieces wafer

You should continue to pick after Lock cylinder turn around to 45 degree

Pick the upper left 3 or 2 pieces wafer and the lower right 3 or 2 pieces wafer.

Lock cylinder back to the original position then you need to Continue to pick.

Pick the upper left 3 or 2 pieces wafer and the lower right 3 or 2 pieces wafer.

Remark : Half a slice of Toyota car lock cylinder structure

Open sequence:

When you use the TOY48 2 In 1 decoder and pick tool, first you need to enter the working part of 2 in 1 decoder and pick tool into the button of Lock cylinder ,then unfold the driven Lever of 2 in 1 decoder and pick.. Meanwhile use appropriate Strength hold on it by left hand.

(If work under dark light then you can open the light)

Your right hands hold the Lever A and pick the top right the third wafer or second wafer and then pick the lower left the third wafer or second wafer. After then you use the Lever B to pick the upper left second wafer or the third wafer and the lower right second wafer or the third wafer.

After Lock cylinder turn around to 45 degree then you need to pick other wafers. Use the Lever B to pick the upper left the third wafer or second wafer and the lower right the third wafer or second wafer. When the lock cylinder back to the original position then you need to use Lever B to pick the upper left the third wafer or second wafer and the lower right the third wafer or second wafer till the lock be opened.

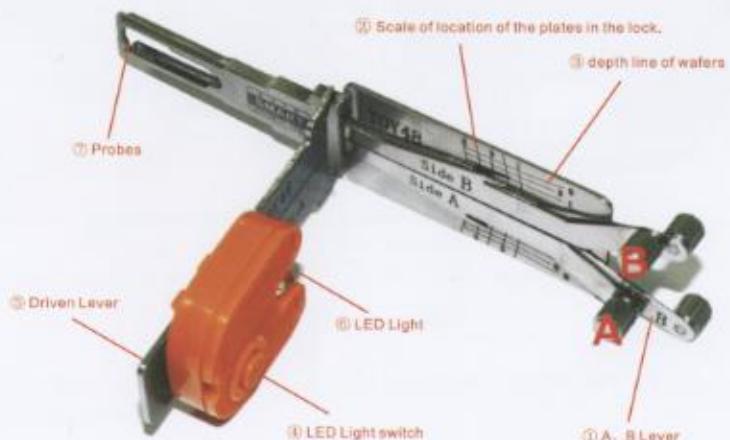
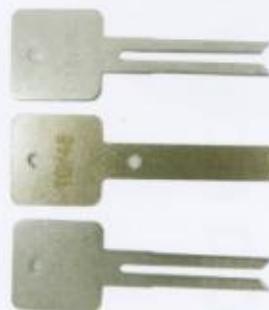
Decoder sequence:

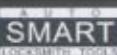
First of all, remember to read the Side "A" all wafers first then read Side "B" all wafers. When decoder meanwhile write down the code.

First read Side "A" top right the third wafer or second wafer. And then read the lower left the third wafer or second wafer. Finish Side "A" then start to read Side "B" the upper left second wafer or the third wafer and the lower right second wafer or the third wafer. After then read the upper left the third wafer or second wafer and the lower right the third wafer or second wafer. After finish reading then use the key cutter to cut two pieces special key which only use for 2 in 1 decoder and pick tool. Finish all cutting then put main key TOY48 (only one piece) in the middle of two pieces special key and the an unbroken key have been made and it can use for open the lock and can be copied by key machine directly.

New Lexus, Crown 3.0 , etc Series

Main key and special key which only use for
2 in 1 decoder and pick tool





VA2 - Citroen Peugeot, Renault

VA2 found on: Peugeot, Citroen and Renault

This lock has, 6 spaces and 6 depths, all 6 wafers are in this lock



Silca VA2

All positions in the door lock can be read with the Lishi tool

It is an internal 4 track lock, and unlike other H/S locks with a uniform groove, the wafers in this lock alternate contact with the left and right tracks of the key

This lock uses letters instead of numbers for the wafer depths, and the wafers were stamped with the letter

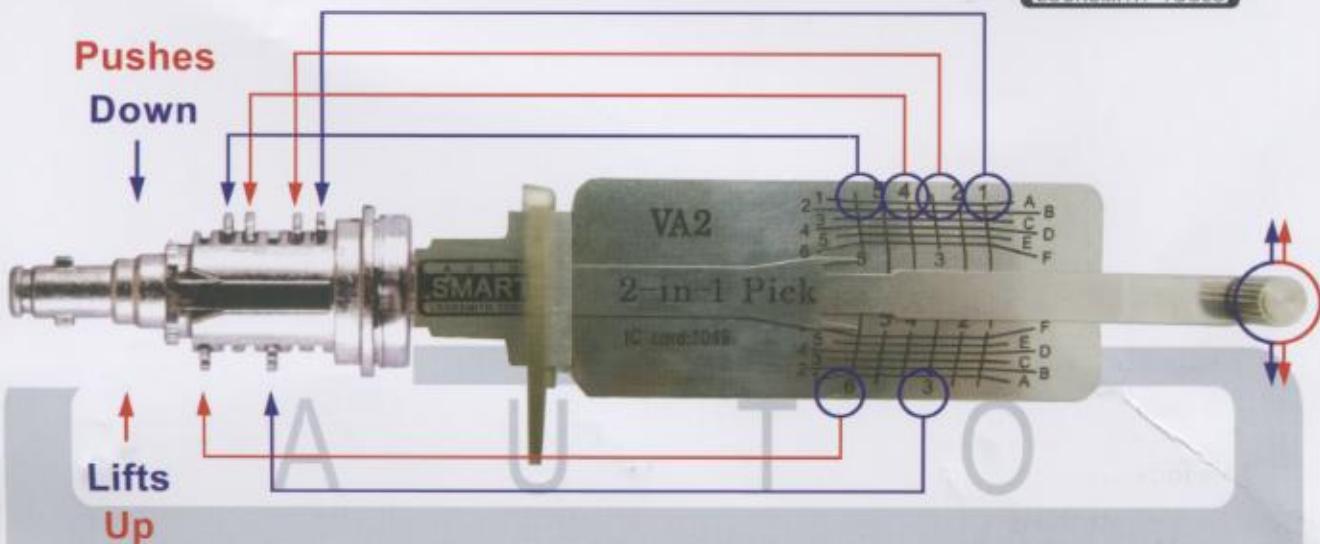
Depths are A, B, C, D, E, F ... "A" is the deepest cut and "F" is the shallowest cut

To make it easier to understand ... try ... A = 1 .. B = 2 .. C = 3 .. D = 4 .. E = 5 .. F = 6

This is a single lever arm 2 in 1 pick/decoder

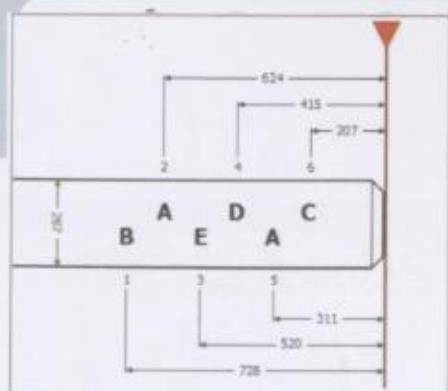
To decode the lock read in the **OPPOSITE** direction as it was picked





1	2	3	4	5	6
B	A	E	D	A	C

After running through Instacode
to check it was a correct code



Enter known bitting

Enter bitting values into their corresponding positions.

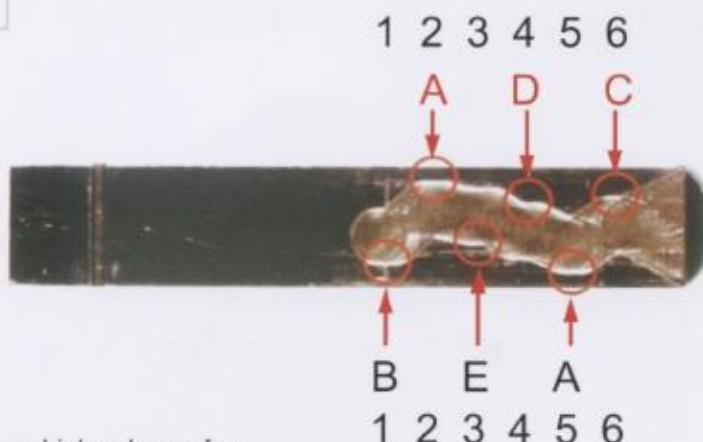
Axis A: Depth Symbols (F,E,D,C,B,A)



Bitting:

1	2	3	4	5	6
B	A	E	D	A	C

The red show where you would read the cuts and where the key makes contact with the wafers



Main key and special key which only use for 2 in 1 decoder and pick tool