GM-Z

by

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Thank you for purchasing the AccuReader wafer reading system by LockTech. This system will allow you to read the new GM locks commonly called "Z-key." Following a few simple steps it takes only minutes to read the depths for each cut in each position of a given lock. (ignitions excluded)

The AccuReader works on the process of elimination to decipher the correct depths of the lock. By checking the deepest cut first you eliminate what the cuts are not. Therefore it is essential to always read depth slide #5 first.

Warded or Non Warded

The GM-Z AccuReader comes with two sets of slides, one is for Non Warded locks and one is for Warded locks.

To determine whether a lock is warded or non warded insert the AccuReader fully into the lock. Either the "W" row of holes or the "NW" row of holes will only have 1 hole outside of the lock. The row of holes that only has 1 hole showing determines whether the lock is warded or non warded.

Once it has been determined which lock you are decoding, use the appropriate set of slides and proceed to the appropriate section of the instructions.

ALWAYS start by thoroughly flushing the lock and run a key blank in and out several times to exercise the wafers.

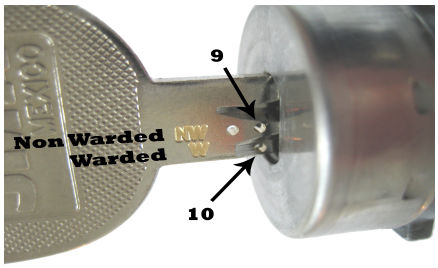
Let me say that again,

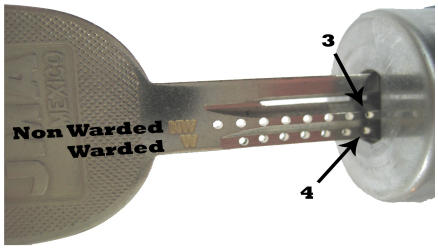
ALWAYS start by thoroughly flushing the lock and run a key blank in and out several times to exercise the wafers.

SPACING

The GM-Z AccuReader has two sets of 10 holes drilled in to it. One set is for warded locks and one set if for non warded locks.
To determine the space currently being read,

- Use the appropriate set of holes for the lock being read (W=warded)(NW=non warded).
- Once the AccuReader has been inserted into the lock, count back from 10 the number of holes that are showing outside the lock. (see diagram)





NON WARDED LOCKS

Use the insertion tool to move the AccuReader key to the space to be read.

Use slight pressure pushing inward on the key to keep it flush up against the wafer being read.

Using the GM-Z #5 depth slide, fully insert it into the AccuReader key. The alignment mark on the depth slide will line up with the (**Y**) **Yes** mark **or** it will line up with the (**N**) **No** mark.

If the #5 depth slide lines up with the **Y** then the depth for that position is a 5. If the depth slide lines up with a **N**, then you must proceed to the #4 depth slide. **((Only proceed to the #4 slide if the #5 slide read a No))**

If the #4 depth slide lines up with the **Y** then the depth for that position is a 4. If the depth slide lines up with a **N**, then you must proceed to the #3 depth slide.

If the #3 depth slide lines up with the **Y** then the depth for that position is a 3. If the depth slide lines up with a **N**, then you must proceed to the #2 depth slide.

If the #2 depth slide lines up with the **Y** then the depth for that position is a 2. If the depth slide lines up with a **N**, then the depth for that position is a 1.

WARDED LOCKS

Use the insertion tool to move the AccuReader key to the space to be read.

Use slight pressure pushing inward on the key to keep it flush up against the wafer being read.

Using the GM-Z #5/4 depth slide, fully insert it into the AccuReader key. The alignment mark on the depth slide will line up with the (**Y**) **Yes** mark **or** it will line up with the (**N**) **No** mark.

If the GM-Z #5/4 depth slide lines up with the **Y**

then the depth for that position is a 5 or a 4. (Note it as a 4 for that space.) If the depth slide lines up with a **N**, then you must proceed to the #3/2 depth slide. **((Only proceed to the #3/2 slide if the #5/4 slide read a No))**

If the GM-Z #3/2 depth slide lines up with the **Y** then the depth for that position is a 3 or a 2.(Note it as a 2 for that space.) If the depth slide lines up with a **N**, then the depth for that position is a 1.

It is suggested to use a code program that has "Fill" with a "1-up" option, such as InstaCode. Enter the 8 spaces that were read for a given warded door lock as either 4's, 2's, or 1's accordingly.

For example; the following depths are read

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

Now enter the spaces to search & ones to "1-up"

	1	2	3	4	5	6	7	8	9	10
search	X	X	✓	✓	✓	✓	✓	✓	✓	✓
1up			✓	✓	✓	✓	✓	✓	✓	✓

The results give you a list of the following codes;
G0574
G0627
G0781
G0941

The codes listed above are a typical number of results, some combinations will result in a few more codes and some will result in fewer codes.

If your code program does not have the "1-up" option, it is recommended to impression to get the final depths.

Please take the time to familiarize yourself with the tools and verify all pieces are accounted for from the list of contents below:

Package Contents:

1-AccuReader key
1-insertion slide
1-depth slide #5
1-depth slide #4
1-depth slide #3
1-depth slide #2
1-depth slide #5/4 (W)
1-depth slide #3/2 (W)
1-Tube storage container
1-Tube Cap

TIPS& SUGGESTIONS

Always clean the keyway thoroughly before starting.

While keeping the AccuReader straight in the lock with one hand, use your other hand to insert the depth slide with a very slight upward pressure on the slide itself. This will ensure the tip of the slide is traveling along the bottom of the track as intended.

Most non warded door locks have spacing 4-10 while most warded locks have spaces 3-10.

Always start with the deepest possible depth slide and always stop and move to the next position as soon as a "YES" reading is taken. You only progress to shallower depth slides (in order) when a "NO" reading is taken.

Watch the demonstration videos online at: www.accureader.com