



KW16

by

LockTech

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Thank you for purchasing the Accu-Reader by LockTech wafer reading system. This system will allow you to read the KW16 keyways completely and accurately without the removal of any locks. Following a few simple steps it takes only minutes to read the depths for each cut in each position for a complete key.

The Accu-Reader 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 #4 first.

Due to the construction of the KW16 ignitions, the process for originating a key differs slightly from a traditional Accu-Reader. The primary way for originating a key will be from using the Seat Lock which has all 6 spaces. If you find that the ignition has been changed out, please refer to KW16 Ignition Section for instructions on making an ignition key.

The Accu-Reader key is designed to be used for wafer positions 4-6 on one side of the key and wafer positions 1-3 on the opposite side of the key. All the positions can be read from one side of the key, however it is recommended to flip the key over and use the other side. This allows for reading the 1-3 wafer positions with a fully or almost fully inserted key, increasing the accuracy.

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:

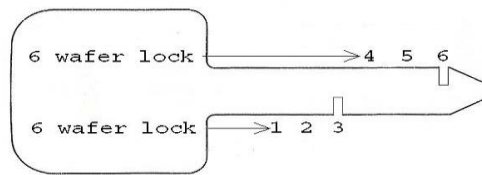
- 1-Accu-Reader key
- 1-insertion/release slide
- 1-depth slide #4
- 1-depth slide #3
- 1-depth slide #2
- 1-Tube storage container
- 1-Tube Cap

USING THE ACCU-READER (SEAT LOCK)

- 1) Always thoroughly clean the lock with a electronics safe cleaner to free any potentially stuck wafers.
- 2) Use the alignment holes through the Accu-Reader key to assist in judging the distance from one wafer position to the next.
- 3) Place the insertion/release slide in the slot on the accu-reader key on the #4-6 side. Fully insert the accu-reader key into the **SEAT LOCK** keyway and remove the slide. The Accu Reader key is now ready to read the #6 wafer. **(Note: If the Accu-Reader trapped a wafer shortly after inserting it into the keyway, use the release slide on the opposite side of the key to release the Accu-Reader. This happens when wafers fall into the trap slot for the 1-3 side, since these locks have wafers only on one side. Flip the Accu-Reader over and restart step 2).**
- 4) Always **start reading with the #4 depth slide tool, then proceed to #3 & #2 in order, IF NECESSARY.** Fully insert the depth slide into the Accu-Reader 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.
 - a) If the #4 depth slide lines up with the **Y** then the depth for the #6 wafer is a 4. If the depth slide lines up with a **N**, then you must proceed to the #3 depth slide.
 - b) If the #3 depth slide lines up with the **Y** then the depth for the #6 wafer is a 3. If the depth slide lines up with a **N**, then you must proceed to the #2 depth slide.
 - c) If the #2 depth slide lines up with the **Y** then the depth for the #6 wafer is a 2. If the depth slide lines up with a **N**, then the depth for wafer #6 is a 1.
 - d) Repeat steps **a** through **c** for each wafer position until you have recorded the depth for wafer position 6, 5, & 4.
 - e) Using the insertion/release slide remove the Accu-Reader key from the keyway and flip it over. Insert the insertion/removal slide on the #1-3 side of the Accu-Reader and fully insert the Accu-Reader key back into the keyway. You are now ready to read wafer position #3.
 - f) Repeat steps **a** through **c** for each wafer position until you have recorded the depth for wafer position 3, 2, & 1.
 - g) You now have recorded all the positions to make a complete key.

NOTE: The KW16 Accu-Reader will also read the gas

4) When reading the ignition, only the #3 depth



tank lock following the instructions above, however the gas tank locks typically only have spaces 2-6.

slide is used. It will line up with the **Y) Yes** mark or it will line up with the **(N) No** mark.

USING THE ACCU-READER (IGNITION)

(The following is used only if ignition has been changed out to a different key)

- 1) Always thoroughly clean the lock with a electronics safe cleaner to free any potentially stuck wafers.
- 2) Use the alignment holes through the Accu-Reader key to assist in judging the distance from one wafer position to the next.
- 3) The KW16 ignition is different in that 1 & 2 depth wafers rest at the same height and 3 & 4 depth wafers rest at the same height. Fortunately, the ignition lock is very sloppy and easy to originate a key for even when its been changed out. This process does use half-cuts, but is very easy and very effective.

Place the insertion/release slide in the slot on the Accu-Reader key on the #3-6 side. Fully insert the Accu-Reader key into the ignition and remove the slide. The Accu-Reader key is now ready to read the #6 wafer.

(Note: If the Accu-Reader trapped a wafer shortly after inserting it into the keyway, use the release slide on the opposite side of the key to release the Accu-Reader. This happens when wafers fall into the trap slot for the 1-3 side, since these locks have wafers only on one side. Flip the Accu-Reader over and restart step 2).

a) If the #3 depth slide lines up with the **Y** then record a 3 ½ for the depth of wafer position #6. If the #3 depth slide lines up with a **N**, then record a 1 ½ for the depth of wafer position #6.

b) Repeat step (a) for all 6 positions in the ignition. **NOTE:** It is not necessary to flip the AccuReader over and use the 1-3 side while reading the KW16 ignition.

c) Once you have recorded all six positions as either 1 ½ or 3 ½ cut these depths to the corresponding spaces. **TIP:** Only cut one side of the blank, test fit your key, after noting any marks, cut the opposite side of the blank with the new cuts, if necessary.

TIPS & SUGGESTIONS

- 1) Always clean the keyway thoroughly before starting.
- 2) Use the diagram on the protective case to identify the YES line and the NO line when reading a lock.
- 3) Watch the demonstration video online at: www.locktech.biz
- 4) While holding the Accu-Reader key straight, keep slight upward pressure on the slide to ensure the tip is resting along the bottom of the slide track.

KW16 compatibility list

MAKE	MODEL	YEARS
Kawasaki	ZX6R/RR	2003+
Kawasaki	ZR7/s	1999+
Kawasaki	ZRX1100/1200	1999+
Kawasaki	ZX10/12/14	1999+
Kawasaki	650R/W	1999+
Kawasaki	Z750/1000	1999+
Kawasaki	ZZR1200	1999+

Please email us for any corrections or additions at accureader@locktech.biz