



KW14

by

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Thank you for purchasing the AccuReader wafer reading system by LockTech. This system will allow you to read the KW14 keyways completely and accurately without the removal of the ignition. Following a few simple steps it takes only minutes to read the depths for each cut in each position for a complete key.

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 #4 first.

KW14 keyways are usually 6 space, but some utilize 7 spaces. This KW14 AccuReader will read both 6 space and 7 space locks. Use the reference guide to find out if your lock is 7 space or 6 space and follow the appropriate directions.

The AccuReader key is designed to be used for wafer positions 4-7(7 space locks) or 3-6(6 space locks) on one side of the key and wafer positions 1-3(7 space locks) or 1-2(6 space locks) 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 or 1-2 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-AccuReader 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 (7 space system)

- 1) Always thoroughly clean the lock with a electronics

safe cleaner to free any potentially stuck wafers.

- 2) Use the alignment holes through the AccuReader 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 AccuReader key on the #4-7 side. Fully insert the AccuReader key into the keyway and remove the slide. The AccuReader key is now ready to read the #7 wafer. **(Note: If the AccuReader trapped a wafer shortly after inserting it into the keyway, use the release slide on the opposite side of the key to release the AccuReader. 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 AccuReader 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 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.

- a) If the #4 depth slide lines up with the **Y** then the depth for the #7 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 #7 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 #7 wafer is a 2. If the depth slide lines up with a **N**, then the depth for wafer #7 is a 1.

- d) Repeat steps a through c for each wafer position until you have recorded the depth for wafer position 7, 6, 5, & 4.

- e) Using the insertion/release slide remove the AccuReader key from the keyway and flip it over. Insert the insertion/removal slide on the #1-3 side of the AccuReader and fully insert the AccuReader 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.

USING THE ACCU-READER (6 space system)

- 1) Always thoroughly clean the lock with a electronics

safe cleaner to free any potentially stuck wafers.

2) Use the alignment holes through the AccuReader key to assist in judging the distance from one wafer position to the next.

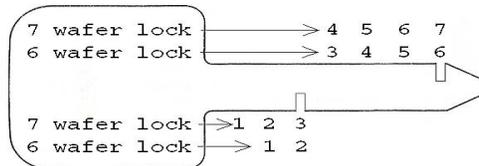
3) Place the insertion/release slide in the slot on the AccuReader key on the #3-6 side. Fully insert the AccuReader key into the keyway and remove the slide. The AccuReader key is now ready to read the #7 wafer. **(Note: If the AccuReader trapped a wafer shortly after inserting it into the keyway, use the release slide on the opposite side of the key to release the AccuReader. This happens when wafers fall into the trap slot for the 1-2 side, since these locks have wafers only on one side. Flip the AccuReader 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 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.

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 #7 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, & 3.

e) Using the insertion/release slide remove the AccuReader key from the keyway and flip it over. Insert the insertion/removal slide on the #1-2 side of the AccuReader and fully insert the AccuReader key back into the keyway. You are now ready to read wafer position #2.

f) Repeat steps **a** through **c** for each wafer position until you have recorded the depth for wafer position 2 & 1.

g) You now have recorded all the positions to make a complete key.

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

KW14 compatibility list

rev. 3-31-09

MAKE	MODEL	YEARS	SPACES
Kawasaki	Vulcan 2000, 1600 Nomad, 1600 Classic, Mean Streak	2002+	7
Kawasaki	KLR650	2008+	7
Kawasaki	Vulcan 500, 800, 1500, KLR, KLX, Eliminator 125 (Can be KW14 or KW14R)	1987-2001	6
Kawasaki	Ninja 750	1991-1992	6
Kawasaki	KLX 650	1993-1996	6
Ducati	Most Models	1991-2002	6
Suzuki	Marauder 1600	2004+	7
Suzuki	Boulevard M95	2004+	7
Victory	Most models	1999+	6
MV Augusta	Most models	1996+	6
Cagiva	Mito 500	2007+	6