# AccuReader

## HD109-2

by

# LockTech

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Thank you for purchasing the AccuReader by LockTech wafer reading system. This system will allow you to read the Honda x265/HD109 locks as well as the 02+ CBR 954 & 1000 ignition 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 #3 first.

All eight positions can be read on the LJPO ignition lock. The AccuReader key is designed to read wafer positions 1-2 & 5-6 on one side of the lock and wafer positions 3-4 & 7-8 on the opposite side of the lock. It is recommended to read the closest to the tip space first, for example read 8, 7 then 4 & 3. Flip the AccuReader and read 6, 5 then 2 & 1.

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 #3
1-depth slide #2
1-Tube storage container
1-Tube Cap

## USING THE ACCUREADER

1) Always thoroughly clean the lock with an 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. Fully insert the AccuReader key into the keyway and remove the slide. The AccuReader key is now ready to read the #8 wafer. **(Note: If you can pull outward on the AccuReader before it traps a wafer, the wafer trapped will be the #6 wafer. Either remove the AccuReader, flip it over and reinsert to read position #8, OR read the 6-5 & 2-1 wafer side first.**

4) Always **start reading with the #3 depth slide tool, then proceed to #2 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 #3 depth slide lines up with the **Y** then the depth for the #8 wafer is a 3. If the depth slide lines up with a **N**, then you must proceed to the #2 depth slide.

b) If the #2 depth slide lines up with the **Y** then the depth for the #8 wafer is a 2. If the depth slide lines up with a **N**, then the depth for wafer #8 is a 1. Use the insertion/release slide to move to the next wafer position.

c) Repeat steps a & b for each wafer position until you have recorded the depth for wafer positions 8, 7, 4, & 3.

d) Using the insertion/release slide remove the AccuReader key from the keyway and flip it over. Fully reinsert the AccuReader with the insertion/removal slide into the keyway. After removing the insertion/removal slide, pull outward on the AccuReader until it catches a wafer. You are now ready to read wafer position #6.

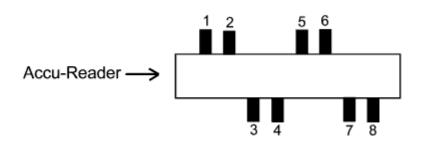e) Repeat steps a & b for each wafer position until you have recorded the depth for wafer positions 6, 5, 2, & 1.

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

**Preparing a HD109 blank**

The HD109A/X265A by Jet is already cut to the correct shoulder length that required for the +02 Honda CBR 954 & 1000 models.  It is recommended to use this blank for these models.


**TIPS & SUGGESTIONS**

1) Always clean the keyway thoroughly before starting.

2) Watch the demonstration video online at: www.accureader.com

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              1  2        5  6
              ▮  ▮        ▮  ▮
Accu-Reader ──▶ ┌──────────────────┐
                │                  │
                └──────────────────┘
                 ▮  ▮        ▮  ▮
                 3  4        7  8
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| MAKE | MODEL | YEARS |
|------|-------|-------|
| Honda | CBR 600 | 1999 |
| Honda | CBR 900 | 1997 |
| Honda | CBR 1100 | 1999 |
| Honda | CBR 929 | 2000 |
| Honda | VFR | 2000 |
| Honda | Interceptor | 2000 |
| Honda | Super Hawk | 2000 |
| Honda | Super Wing | 2000 |
| Hond | 919 | 2000 |
| Honda | ST 1300 | 2000 |
| Honda | Big Ruckus | 2000 |
| Honda | CBR 954 | 2002 |
| Honda | CBR 1000 | 2002 |