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How Do We Do That?

Rekeying the SmartKey Lock

The installation of the SmartKey Lock is the same as any other lock.

The SmartKey Lock is like its name implies, a Smart Key Lock. The locks are so easy to rekey, the customers themselves can do it.

Weiser Lock makes the SmartKey. The rekeying is done by first inserting a working key and turning it from 12 O'clock to 3 O'clock. Then the SmartKey Tool is inserted in the small Tool Hole, and pushed inwards and removed. Do Not Rotate the current key, insert the new key without turning until the key is all the way in the cylinder and then turn this new key and remove. When trying the old key it will not turn.

The SmartKey lock is bump proof.

The SmartKey lock cannot be mastered.

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Exploded view of the New SmartKey Weiser deadbolt: the bolt (adjustable), "E" clip and tailpiece are the same as those used on Kwikset. The factory Weiser key has a square head like regular Weiser, although slightly larger.

When the cylinder is destroyed, a normal Kwikset cylinder and housing can be used. Especially when your customer has a gripset on the door and wants to keep the look the same.

Ilco produces a new blank for this lock, # N1176.

When you do not have this blank in stock, use one of the following, Kwikset, Titan, and or Weslock (only, this one has a snug fit).

The SmartKey cylinder is held in the housing with a large retainer clip, the tailpiece is held with the "E" clip.

Almost any cut key on the correct blank can be used when rekeying is needed. The SmartKey system can be set up so a blank can work.

The key from the sample unit has a code on it, K35154.

Spacing: .237, .393, .549, .705, and .861
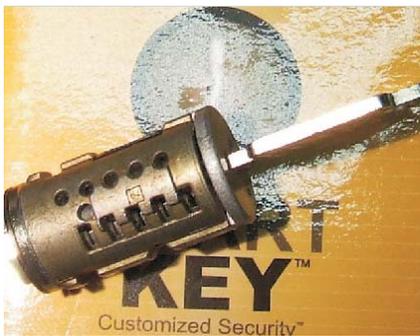
Depth: .285, .235, .330, .235, and .255.

The root width is .079".

These depths are for this key only.

On purpose we cut a new key, with the spacing .300, .460, .620, .760, .900
Depths are 290, .240, .335, .240, and .265. This key cut with the wrong spacing and depth can be setup also to the SmartKey cylinder.

When rekeying is needed and you don't have the existing key, and the SmartKey Cradle is not on hand, it can be done by using the following method.

Remove the cylinder from the housing and insert a blank, or a prepared key with the cuts 1 2 3 4 5. Insert the key or blank in the cylinder and look for the small square slots just beside the key in the lock. See how those wafers are seated at the shearline. "0" cuts are just a little below the shear line and by using this sight you can file each depth in your key blank.

With the new key produced, turn the key ¼ turn to the right (3 O'clock), use a broken tip of a lock pick and push it into the small square hole next to the keyhole in this cylinder. Do not turn the plug. Remove the key and insert fully the new key you would like to use as the final key, and turn the cylinder back to 12 O'clock.

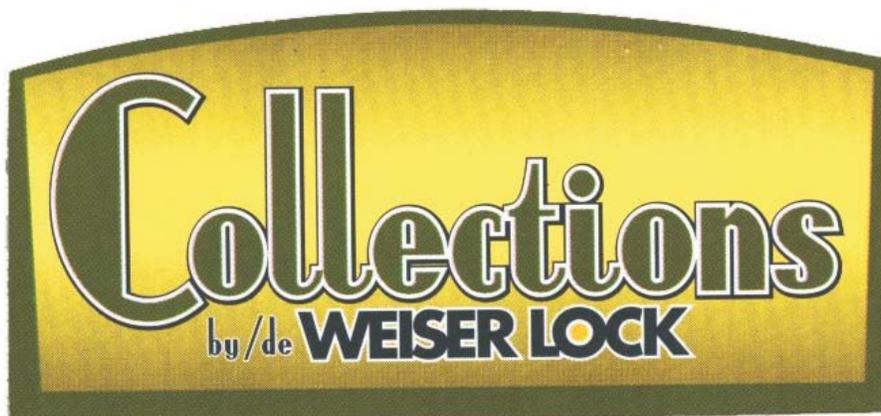Now remove this key and reassemble the lock. Make sure the key works.

SmartKey has a Rekeying Cradle

Your Weiser Lock supplier can order this SmartKey Cradle, used to reset a cylinder when no key is available. The catalog number is:
W29798 RESET CRADLE WEISER

You need a .060" Allen key for removing the inside Thumpturn.

How Do We Do That?
Using the SmartKey Cradle

When rekeying is needed and no working key is available, Weiser made a special Cradle for this job.
    Remove the cylinder from the lock and go by the next instructions.

    The black markings are not originally on the Cradle. I used a black marker to indicate the arrows and the indicators.
    Rotate the lower dial to the right until is stops to align arrow on the outer ring with the starting point on the inner ring.
    Insert the cylinder all the way in the centre of the cradle on the inner dial. (See picture on the top right corner)
    Rotate lower dial half turn to the left until it stops, where the two arrows meet. (See picture on the left hand bottom).

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Insert the SmartKey Tool into the small hole (above the keyhole) on the cylinder face, and use force till it goes all the way in, then remove the SmartKey Tool, Do Not turn the cylinder.

While holding the cylinder body stationary, rotate the key back to the removal position and remove the key. (See the two pictures below).

Insert the key you want to use in the cylinder, while making sure not to rotate the cylinder.

Remove the cylinder with the new working key gently out of the cradle. (See the next picture)

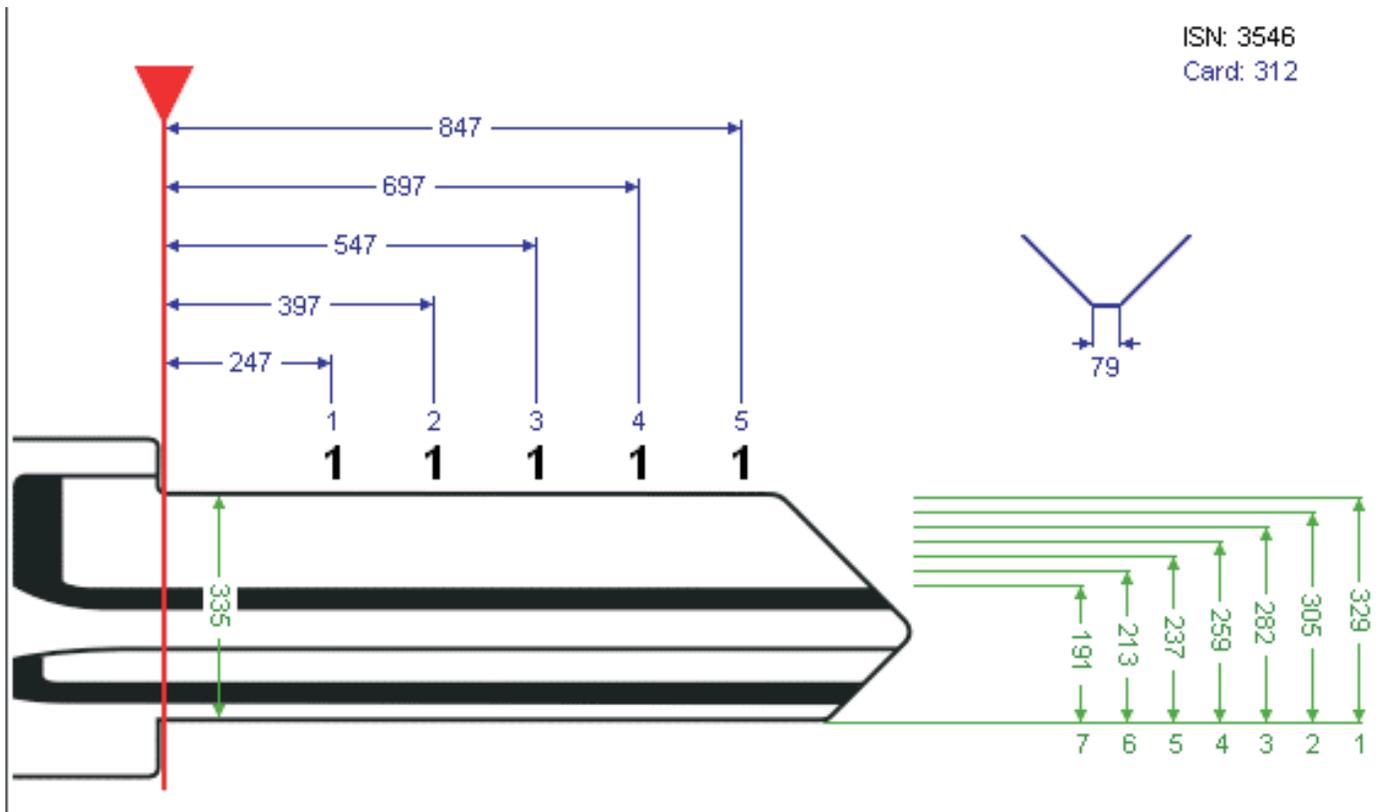Reinstall the cylinder in the deadbolt and prepare your customer's invoice.

The Cradle is available from your Weiser Lock Supplier at a cost of approximately $20.00.

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Cutting a new Key by Code SmartKey uses the Kwikset Spacing and Depth

Use Kwikset spacing and depths when making a new key for the SmartKey System.

The code on the factory SmartKey is indicated by K 24514 (sample). Drop the "K" and use the code, which is the actually cutting number.

Warning

The SmartKey cylinder is not a regular pin tumbler cylinder; do not pull the plug out of the housing, you will be sorry. There are too many very small parts. Plus those 5 half wafers have to most likely go in a special way, and during placing them in their slots they will jump out and fall all over the floor.

On one cylinder I did, I spent at least 4 hours to get it together only to give up. It is not worth my time.

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More Inside View for the SmartKey Cylinder

New Technology
Locking bar, racks and pins are made out of stainless steel for increased strength and durability.
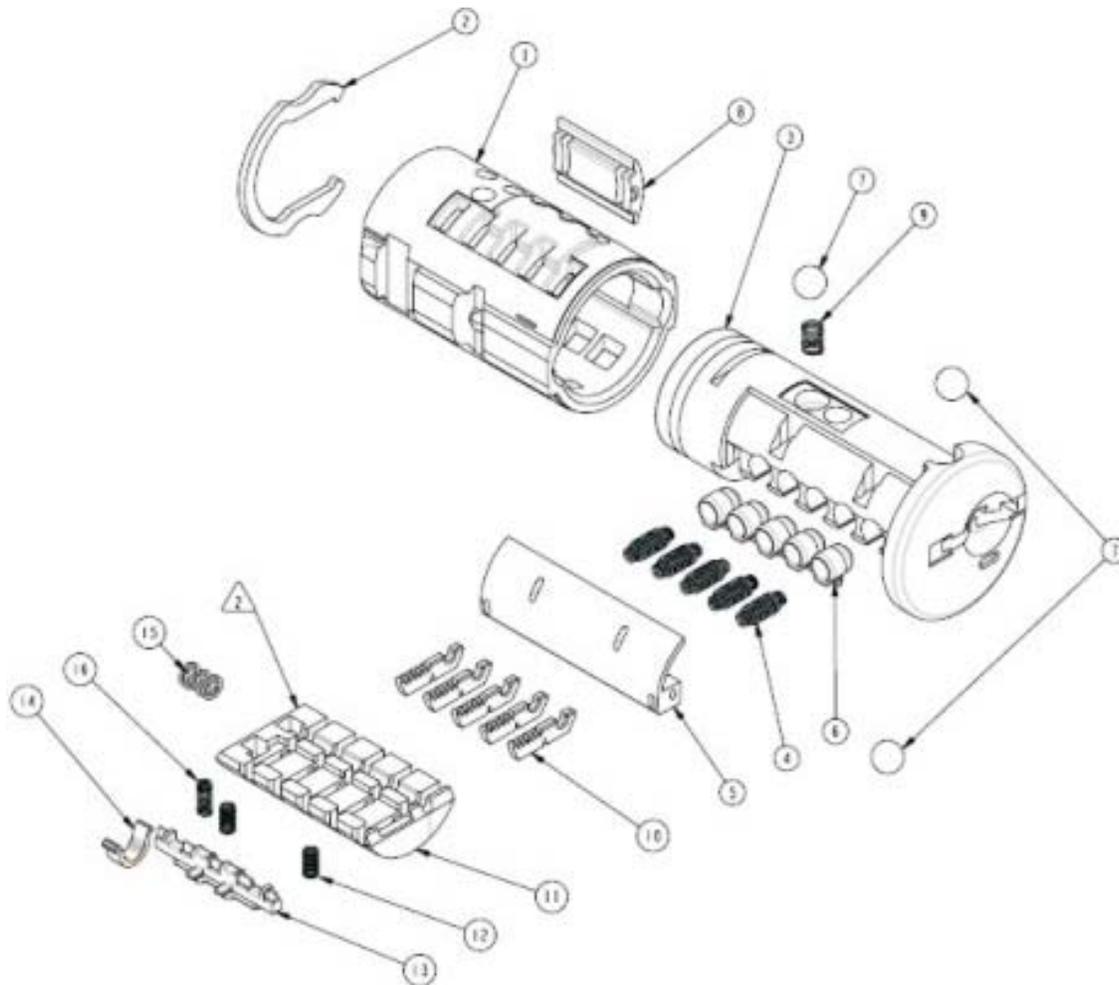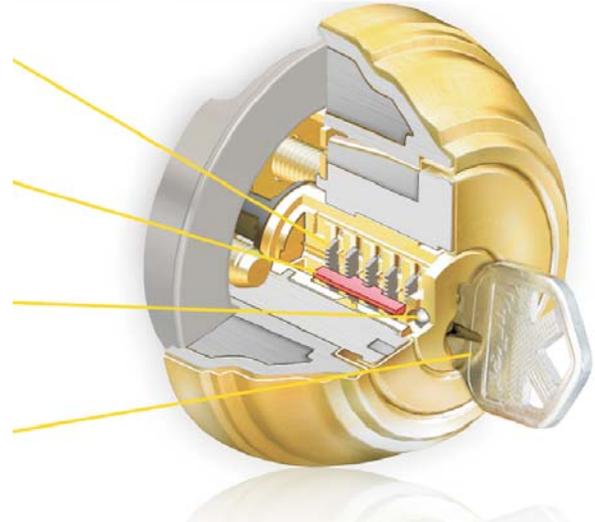
Superior Security
Patented side locking bar technologies replaces a traditional pin & tumbler design for increased security against bumping and pick attacks.

Drill Resistance
Cylinder uses two steel balls in the front of the key face to resists attack from drilling.

Key It Yourself
Lock is Rekeyable by using the learn tool in less than 30 seconds without removing the lock from the door.

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SmartKey Cylinder Exploded

16	5024522	Spring, Catch
15	5022890	Spring, Carrier
14	5024521	Catch, Carrier
13	5022882	Bar, Locking
12	5022889	Spring, Locking Bar
11	5022881	Carrier
10	5022892	Rack
9	5022887	Spring, Detent Bearing
8	5022891	Plug Side
7	5013456	Ball Bearing
6	5022884	Pin
5	5022883	Cap, Spring
4	5022888	Spring
3	5022880	Plug
2	5004345	Plug, Clip
1	5022879	Body, Cylinder