

# DETERMINATOR™

## VW 1

The VW 1 **DETERMINATOR™** set works on VW/AUDI products using the X88/X203 key way. When used properly you will be able to generate a key for a vehicle in just a few moments.

There are two tools in the VW 1 **DETERMINATOR™** set.

The tool stamped **4567** is used to trap tumblers in spaces 4, 5, 6, and 7.

The tool stamped **123** is used to trap tumblers in spaces 1, 2, and 3.

### THE TOOL

The **DETERMINATOR™** is a decoding tool and a tumbler release tool.

The **DETERMINATOR™** works by trapping the 3 and 4 depth tumblers. It will pass the 1 & 2 depth tumblers. The **DETERMINATOR™** has numbers stamped on the side of the blade. These numbers correspond to the tumbler space locations. When the **DETERMINATOR™** traps a tumbler, take note of the number closest to the face of the lock. That is the space being determined as a 3 or 4 depth cut. You will then use the release tool to raise the trapped tumbler. Slide the release tool along the slot milled in the side of the tool, sloped end first. You will feel it raise the tumbler, slowly pull the **DETERMINATOR™** out a little to the next space and remove the release tool.

When the **DETERMINATOR™** traps a tumbler you know that it is a 3 or 4 depth tumbler. Spaces that pass you will know are a 1 or 2 depth tumbler. For spaces that trap, cut them to a 3 ½ depth. For spaces that pass, cut them as a 1 ½ depth.



The VW 1 Determinator™ uses the modified release tool.

### NOTES

In most cases spaces 2, 4, 5, 6, and 7 are on one side of the lock and spaces 1 and 3 are on the opposite side.

The tool is designed to work on the 94 and up VW/AUDIs. It will work on earlier models, however, some locks may have double tumblers in some spaces. This means that you may trap the same space number on both sides of the lock.

### STEPS

1. Degrease the passenger door lock with a quick drying spray and run a key blank in and out a few times.
2. Insert the '4567' **DETERMINATOR™** fully into the door lock.
3. Slowly pull the **DETERMINATOR™** out of the lock with a slight turning motion.
4. When the **DETERMINATOR™** traps a tumbler, take note of the space, and record it as a 3 ½ depth.
5. Use the release tool and proceed to the next space.
6. Decode **BOTH** sides of the door lock. Record only the spaces that get trapped.
7. Insert the '123' **DETERMINATOR™** fully into the door lock.
8. Slowly pull the **DETERMINATOR™** out of the lock with a slight turning motion.
9. When the **DETERMINATOR™** traps a tumbler, take note of the space, and record it as a 3 ½ depth.
10. Use the release tool and proceed to the next space.
11. Decode **BOTH** sides of the door lock. Record only the spaces that get trapped.
12. When you are done decoding BOTH sides of the lock, then ANY space that DID NOT trap you will cut as a 1 ½ depth.
13. Cut a key, insert it into the lock and turn. You may want to use your impressioning pliers for a little more torque. Use your locksmithing judgement on how far to turn the key.
14. Look for impression marks.
15. Adjust your cuts as necessary. You will now have working key for the door lock.
16. To fit the key to the ignition you will need to widen the cuts in spaces 2 and 6, and either 4 or 5. Look for impression marks.

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**FRAMON CUTTING INFORMATION**

<b>DETERMINATOR</b>	<b>CUTS START</b>	<b>CUT TO CUT</b>	<b>DEPTHS</b>			
VW 1	.100	Varies	1=.300	2=.276	3=.252	4=.228
			1½=.288	2½=.264	3½=.240	
	spaces 2, 4, 6 doubled	spaces 2, 5, 6 doubled				
	1=.106	1= .106				
	<b>2= .194</b>	<b>2= .194</b>				
	<b>2= .240</b>	<b>2= .240</b>				
	3= .335	3= .335				
	<b>4= .430</b>	4= .454				
	<b>4= .476</b>	<b>5= .548</b>				
	5= .571	<b>5= .594</b>				
	<b>6= .705</b>	<b>6= .705</b>				
	<b>6= .751</b>	<b>6= .751</b>				
	7= .863	7= .862				

HPC CARD - XF4/CF4