

# DETERMINATOR™

## GM 9

The GM 9 Determinator set works on the '05 and up Corvette and '04 and up Cadillac XLR using the B106 keyway. When used properly you will be able to generate a key in just a few minutes.

There are four **Determinators** in the GM 9 set.

The "**BA**" tool will trap tumblers with depths of 2, 3, 4, or 5.

The "**BB**" tool traps tumblers with depths of 4 or 5.

These Determinators are for the **BOW** cuts, spaces 3, 4, and 5 only.

The "**TA**" tool will trap tumblers with depths of 2, 3, 4, or 5.

The "**TB**" tool traps tumblers with depths of 4 or 5.

These Determinators are for the **TIP** cuts, spaces 6, 7, 8, and 9 only.

Tumblers that pass on both tools will be cut to a 1 ½ depth. Tumblers that are trapped with only the "**BA**" or "**TA**" tools you can cut to a 2 ½ depth.

Tumblers that are trapped with only the "**BB**" or "**TB**" tools you will cut as a 4 ½ depth.

### THE TOOL

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

The **DETERMINATOR™** has numbers stamped on both sides of the blade. These numbers correspond to the tumbler space locations. When the tool is inserted into the lock, the number closest to the face of the lock indicates the space which is being determined.

When the **DETERMINATOR™** traps a tumbler you will use the spring steel release tool to raise the tumbler and withdraw the **DETERMINATOR™** to the next tumbler location. Slide the release tool along the slot 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.



The GM 9 Determinator™ uses the modified release tool.

The TRUNK has spaces 3-9.

MAC is 2

### USE THE BOW SET FIRST.

1. Lubricate the trunk lock with a quick drying spray and run a key blank in and out a few times.
2. Insert the "**BA**" tool fully into the door lock.
3. **NOTE the direction the trap is facing when you insert the tool.**
4. Slowly pull the tool out of the lock with a slight left and right motion. If it traps immediately, you know that you are on space 5 and all tumblers on that side of the lock are ODD spaces. If the tool pulls out just a little and gets trapped then you are on space 4 and all of the tumblers on that side are even spaces.
5. Record an "**A**" for every space that trapped a tumbler. Any space that passed, record a "1".
6. Insert the "**BB**" tool. Slowly pull it out, taking note of each space number that gets trapped.
7. Record a "**B**" for any space that was trapped. Any space that passed leave as a "1" or an "**A**".
8. Repeat the process on the opposite side of the lock starting with the "**TA**" tool and then the "**TB**" tool.
9. Cut all "**A**" spaces to a 2 ½ depth. Cut all "**B**" spaces to a 4 ½ depth. "1" spaces will be a 1 ½ depth.
10. Cut a key and insert it into the lock and turn. You may want to use your impressing pliers for a little more torque. Use your locksmithing judgement on how far to turn the key.
11. Look for impression marks. Any "**A**" cut that marked you will cut to a 3 depth. Any "**B**" cut that marked you will cut to a 5 depth. "**A**" cuts that did not mark make a 2 depth, and "**B**" cuts that did not mark make a 4 depth.

**FRAMON CUTTING INFORMATION**

DETERMINATOR	CUTS START	CUT TO CUT	DEPTHS				
			1=.325	2=.305	3=.285	4=.265	5=.245
GM 9	.216	.092	1=.325	2=.305	3=.285	4=.265	5=.245
(tip stop)			2 ½ =.295		4 ½ = .255		

Keyblank B106