

Stuck Determinator?



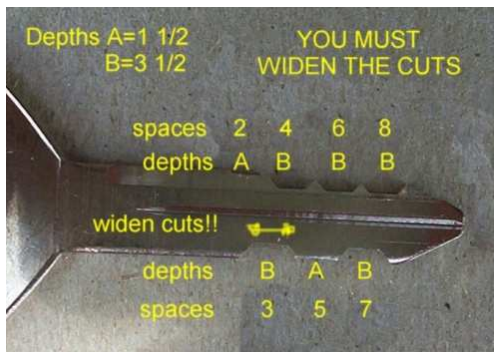
If you have troubling releasing a tumbler from the trap, the best thing to do is to angle the tip of the release upwards while at the same time inserting it into the lock. Once the tool is about $\frac{3}{4}$ ths of the way in you can move the handle slightly up and down while you finish pushing the release tool the rest of the way into the lock.

The Determinator MUST DO STEPS!!

When using the Determinator you must do the following steps to insure success. Make sure you READ and UNDERSTAND the instructions for the Determinator you are using.



Insert the Determinator into the lock. Take note of which spaces trapped. The EVEN spaces are on one side of the lock and ODD spaces are on the other side of the lock. THIS IS VERY IMPORTANT. Use the release tool to release any trapped tumbler. You DO NOT have to be gentle.



Take note of which spaces trapped. Cut your ODD spaces on one side of the key and the EVEN spaces on the other side. YOU MUST WIDEN YOUR CUTS!! THIS IS VERY IMPORTANT!!



Use your impression pliers to get enough torque. By using your impressing skills you can obtain very good marks on the key.



Pick up the impression marks. You will notice that they are much easier to see if you WIDEN your cuts. Now simply deepen your cuts where you have impression marks and lower the cuts where there are none. Then you can cut a new key with the proper cuts in all the spaces.

It is very important that you cut your EVEN spaces on one side of the key and your ODD spaces on the other side. You MUST widen the cuts.

The following is a chart for the location of the odd and even spaces found in a door lock. This chart takes into account the majority of findings and there may be some discrepancies.

Determinator	Top spaces	Bottom spaces	Key blank	Determinator	Top spaces	Bottom spaces	Key blank
BMW1	even	odd	X144	NIS1	odd	even	X210
CHR1	odd	even	Y154/Y157	NIS2	even	odd	X237
CHR2	even	odd	Y159	SAT1	odd	even	B88
DAE1	even	odd	TR40/X176	SAT2	odd	even	B86
FOR1	none	ALL	H54	SAT3	even	odd	B106
FOR2	even	odd	H75	TOY1	even	odd	TR39
FOR3	odd	even	H75	TOY2	even	odd	TR47
FOR4	even	odd	H75	TOY3	odd	even	TR40
FOR5	odd	even	H70	TOY4		ALL	TR33
GM1	odd	even	B86	TOY5	even	odd	TR47
GM2	even	odd	B68	VOL1	varies	varies	X140
GM3	even	odd	B86	VW1	varies	varies	X88
GM4	none	ALL	B86				
GM5			B61				
GM67	even	odd	B106				
GM8	even	odd	B110				
GM9	clutch	clutch	B106				
GM10	clutch	clutch	B106				
GM11	even	odd	B106				
HON1	varies	varies	X181				
HON2	odd	top	X214				
HYU1	even	odd	X236				
HYU2	even	odd	X235				
HYU3	even	odd	X232				
HYU4		ALL	X196				
HYU5	clutch	clutch	HY15				
HYU6	clutch	clutch	HY17				
HYU7	even	odd	HY17				
JAP1	odd	even	X176				
JAP2	varies	varies	X224				
KIA1	varies		KK1/KK3				
KIA2	even	odd	KK5				
MAZ1	all		X131				
MAZ2	even	odd	X131				
MER1			X83				
MER2	sideways	sideways	MB17				
MIT1	even	odd	X263				
MIT2		all	X121				