DETERMINATOR™
HYU 6

The HYU 6 **DETERMINATOR**™ set works on vehicles using the HY-17 keyway**.** When used properly you will be able to generate a key for a vehicle in just a few moments.

There are two keys in the **DETERMINATOR**™ HYU 6 set. One is stamped with a **"A"** and the other is stamped with a "**B**". The "**A**" **DETERMINATOR**™ will trap tumblers with a depths of 2, 3, 4, and 5. It will pass tumblers with depth of 1. The "**B**" traps tumblers with depths of 4 and 5. It will pass tumblers with a depths of 1,2 or 3.

THE TOOL

The **DETERMINATOR**™ is a decoding tool and a tumbler release tool.
The **DETERMINATOR**™ has numbers stamped on the side 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.

RULES
No 1 depth next to a "B".
MACs = 2

NOTES: DOOR LOCK HAS A CLUTCH, HALF CUTS WORK GREAT. USE 1, 2 ½, & 4 ½ DEPTHS.

When you make your cuts, cut the ODD spaces on one side of the key and the EVEN spaces on the other side.
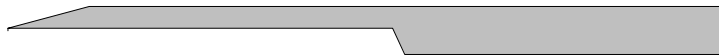
The HYU 6 Determinator™ uses the modified release tool.

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 "**A**" tool fully into the door lock.
3. Slowly pull the tool out of the lock with a slight left and right motion.
4. Take note of the space number of each tumbler that gets trapped.
5. Record an "**A**" for every space that traps a tumbler. Flip the tool over and decode the opposite side of the lock.
6. Insert the "**B**" tool. Slowly pull it out, taking note of each space number that gets trapped.
7. Record an "**B**" for every space that gets trapped. Flip the tool over and decode the opposite side of the lock.
8. When you are done decoding BOTH sides of the lock, then ANY space that <u>DID NOT</u> trap you will make as a 1 depth.
9. Cut your "**A**"s to a 2 depth (or 2 ½ depth), cut your "**B**"s to a 4 depth (or 4 ½ depth).
10. Insert your key 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.
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.
12. If you used ½ cuts, you may want to cut a new key and raise any "A" spaces that did not mark to a 2 depth and raise any "B" spaces that did not mark to a 4 depth.
13. You will now have an operable key for the door lock. Progress spaces 1 and 2 for the ignition.

Instructions continued on next page.

DETERMINATOR	CUTS START	CUT TO CUT	DEPTHS				
HYU 6	.360	.083	1=.330	2=.310	3=.290	4=.270	5=.250
			1½=.320	2½=.300	3½=.280	4½=.260	

MACS = 2

2 space progression chart

1 1	2 1	3 1
1 2	2 2	3 2
1 3	3 2	4 2
2 3	3 3	5 3
2 4	4 3	
3 4	4 4	
3 5	5 4	
4 5		
5 5		

2 space ½ cut progression chart

A = 2 ½
B = 4 ½

1 A	A 1
A A	B A
A B	
B B	