

DETERMINATOR™

JAP 2

The JAP 2 **DETERMINATOR™** set works on all lock systems using the following code series and key blanks.

GEO	X180(B69)	18100-19299
Mitsubishi	X224(MIT3)	30010-32009
Isuzu	X198(B74)	D4001-6000

When used properly you will be able to generate a key for a vehicle in just a few moments.

There is one tool in the JAP 2 **DETERMINATOR™** set.

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 **DETERMINATOR™** traps a tumbler, take note of the number closest to the face of the lock. That is the space being determined. 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.

RULES AND INSTRUCTIONS

This lock system has 8 spaces.

The ODD spaces are on one side of the lock and the EVEN spaces are on the other side.

The **DETERMINATOR™** will pass the tumblers that are a 1 or a 2 depth.

The **DETERMINATOR™** will catch the tumblers that are a 3, 4, or a 5 depth.

When the **DETERMINATOR™** traps a tumbler you will cut that space as a 4 depth.

After you have finished trapping tumblers, ANY space that was passed you will make a 1 ½ depth.



The JAP 2 Determinator™ uses the regular 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 **DETERMINATOR™** fully into the door lock.
3. Slowly pull the **DETERMINATOR™** out of the lock with a slight left and right motion.
4. When the **DETERMINATOR™** traps a tumbler, take note of the space, and record it as a 4 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. 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.
8. Cut a key and 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.
9. Look for impression marks. If a space that had a 1 ½ depth marks make it a 2 depth. If a space that had a 4 depth marks make it a 5 depth. Spaces that were 1 ½ depth that did not mark you will cut to a 1 depth. Spaces that were a 4 depth that did not mark you will recut as a 3 depth.
10. After you have made your adjustments from step 9, insert the key and turn. Look for impression marks and lower them to the next depth as necessary. You will now have a working key for the vehicle.

NOTE: On the spaces that trapped, you can cut to a 3 depth and the spaces that passed make a 1 depth, and impression from the ignition.

FRAMON CUTTING INFORMATION

DETERMINATOR	CUTS START	CUT TO CUT	DEPTHS				
			1=.310	2=.295	3=.279	4=.263	5=.249
JAP 2	.098	.083	1=.310	2=.295	3=.279	4=.263	5=.249
			1½=.303	2½=.287	3½=.271	4½=.256	

HPC CARD - XF89 X180/X198
 CF89 X224