

# DETERMINATOR™

## SAT 3

The SAT 3 **DETERMINATOR™** set works on Saturn products using the B106 key blank. 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 SAT 3 **DETERMINATOR™** set. One key is stamped with a "3" and it will trap tumblers with a 3, 4, or 5 depth. It will pass tumblers that are a 1 or 2 depth. The other key is stamped with a "B" and will trap tumblers with a 4 or 5 depth. It will pass tumblers with a 1, 2 or 3 depth.

### 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 you will use the steel release tool to raise the tumbler and withdraw the **DETERMINATOR™** to the next location. The release tool's purpose is to release the tumbler from the trap. You may need to rock the handle of the release tool while inserting it to release a trapped tumbler.



The SAT 3 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 **DETERMINATOR™** stamped with the "3" 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 3 depth. Remember that the odd spaces are on one side of the lock and the even spaces are on the other.
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 record as a 1 depth.
8. Insert the **DETERMINATOR™** stamped with the "B" fully into the door lock. Slowly pull the **DETERMINATOR™** out of the lock with a slight left and right motion. When the **DETERMINATOR™** traps a tumbler, take note of the space, and record it as a B. You will be changing some "3" readings to a "B". Decode both sides of the lock.
9. Now you should have some "1", "3", and "B"s recorded on your chart. IF you have a "1" next to a "B", change the "1" to a "2" depth. ALL "B"s will be cut to a "4" depth. All "3"s will be cut to a "3" depth.
10. Cut a key to your readings. Insert the key 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 and adjust your cuts. If a space that had a 1 depth marks, make it a 2 depth. If a space that had a 4 depth marks, make it a 5 depth.
12. You will now have a working key for the door lock.
13. Use the progression charts provided to determine the depths for spaces 2 and 10 in the ignition to complete the key.

**INSTRUCTIONS CONTINUE ON NEXT PAGE**

## NOTES

ALL locks are bi-directional.

MACS is 2.

Locks have a lot of "play". You should find it simple to originate a key.

Cuts start at .216

Space to space interval is .092

### Depths

1	.327
2	.306
3	.286
4	.265
5	.245

### Progression chart

Remember that MACs is 2. So if you have a 1 in space 9 you will not use any combinations on the progression chart with a depth of 4 or 5 in space 10.

Space		
2-10	2-10	2-10
1-1	3-1	2-1
1-2	3-2	2-2
1-3	4-2	3-3
2-3	4-3	4-4
2-4	5-3	
3-4	5-4	
3-5		
4-5		
5-5		