# Programming Diagnostics

## BUICK / CHEVROLET / GMC / PONTIAC

### GM1

No diagnostic codes available. Contact technical support.

### GM2

No diagnostic codes available. Contact technical support.

### GM3

If the LED doesn't turn RED, press and release the module programming button. The LED will pulse RED the error number:

1x RED = N/A
2x RED = No SWC activity. Check the SWC connection.
3x RED = Module doesn't detect accessory input. Check accessory connection and redo module programming procedure.
4x RED = Key position status on SWC is never received. Contact tech support.
5x RED = Accessory ON detected before keysense. Check accessory connection and retry the programming procedure.
6x RED = Key IN position on SWC is never detected. Retry the programming procedure and contact tech support if problem persist.
7x RED = Key IN position on the passlock wire is never detected. Check the passlock wire connection.
8x RED = Module doesn't detect accessory input. Check accessory connection and redo module programming procedure.
9x RED = PK3 message never received on SWC. Contact tech support.
10x RED = Contact tech support.
11x RED = Ignition ON not detected. Check ignition wire connection and contact tech support if problem persist.
12x RED = VIN never received. Contact tech support.

### GM4

If the LED doesn't turn RED, press and release the module programming button. The LED will pulse RED the error number:

1x RED = J1850 not detected. Check the J1850 wire connection and/or module ground.
2x RED = Ignition not detected. Check the ignition wire connection.
3x RED = Colorado and Canyon: PK3 not detected. Confirm if vehicle is equipped with PK3 ([+] symbol on the key) and installation type. Contact tech support if problem persist.
4x RED = Starter ON never detected. Check the accessory wire connection.
5x RED = Starter OFF never detected. Check the accessory wire connection.
6x RED = Tach not detected in data. Check J1850 connection.
7x RED = Passlock value invalid. Check the passlock wire connection.
8x RED = Problem reading passlock value. Check the passlock wire connection.

## GM5

No diagnostic codes available. Contact technical support.

## GM6

No diagnostic codes available. Contact technical support.

## GM7

If the LED blinks rapidly RED, check the immobilizer data wire, reset and relearn.
Also seen if ignition and accessory are reversed.

If the LED doesn't blink GREEN, press and release module programming button.
The LED will pulse RED the error number:

1x RED = No power on the accessory input. Check the accessory wire connection.
2x RED = Passlock status is not detected. Check the passlock wire connection.
3x RED = Ignition never turns ON. Check the connection to the ignition input and passlock.
4x RED = No HSCAN activity. Check the CANH and CANL wire connections.
5x RED = No SWC activity. Check the SWC wire connection.

If the LED never turns RED, press and release module programming button. The LED will pulse RED the error number:

6x RED = Wrong message on SWC. Check if the key is in the ignition, KEY MUST BE OUT!

If the LED blink RED, the installer must be faster or immobilizer wire is not cut. (Must be cut with our internal relay! Compustar CM6300 does not have an onboard relay for Blade).

If the LED never turns OFF, press module programming button for 2 seconds and release. The LED will pulse RED the error number:

7x RED = No power on ACC. Check accessory wire input connection.
8x RED = No immobilizer data. Check the immobilizer data wire connection. Must be on the correct side of cut!

If the LED never turns GREEN, press and release module programming button. The LED will pulse RED the error number:

9x RED = Ignition never went OFF when the key was removed.
10x RED = Keysense never went OFF when the key was removed.
11x RED = Accessory must be ON in this part of the programming.
12x RED = Ignition must be ON in this part of the programming.

## GM8

If the LED doesn't turn RED, press and release the module programming button.
The LED will pulse RED the error number:

1x RED = No SWC activity. Check the SWC wire connection.
2x RED = No data on the immobilizer. Check the immobilizer data wire connection.
3x RED = No HSCAN activity. Check CANH and CANL wire connections.
4x RED = Ignition never turns ON. Check the CAN connections.

If the LED doesn't blink GREEN, press and release the module programming button.
The LED will pulse RED the error number:

6x RED = No data on the immobilizer. Check the immobilizer data wire connection or wait 2 seconds before turning ignition OFF.
7x RED = Immobilizer data failure. Make sure only ONE key is used during programming.

If the LED doesn't turn solid GREEN, press and release the module programming button.
The LED will pulse RED the error number:

8x RED = No immobilizer data. Check the immobilizer data wire connection.
9x RED = No immobilizer data. Immobilizer data wire connection is on wrong side of the cut.
10x RED = Klon data is invalid. Repeat the module programming procedure, check immobilizer data wire and check your ground.
11x RED = Ignition never turns ON. Check the CAN connections.

## GM9 ---Replaced by GM7---

If the LED doesn't blink GREEN, press module programming button.
The LED will pulse RED the error number:

1x RED = No SWC activity. Check the SWC wire connection.
2x RED = Keysense OUT on SWC is never received. Reset and retry programming procedure.
3x RED = ACC before key out signal. Reset and relearn module step by step as shown in the install guide!
4x RED = No power on accessory wire. Check the accessory wire connection.
5x RED = N/A
6x RED = Ignition never turns ON. Check the ignition wire connection.
7x RED = No CAN activity. Check the CAN wire connections.
8x RED = N/A
9x RED = Passlock value invalid. Check the passlock wire.
10x RED = Wrong SWC message. Check if key is inserted in ignition - key must be out!
11x RED = Wrong SWC message. Check if key is inserted in ignition - key must be in!
12x RED = No immobilizer data. Check the immobilizer data wire conenction.

## GM10

If the LED doesn't turn RED, press and release the module programming button. The LED will pulse RED the error number:

1x RED = No SWC activity. Check the SWC wire connection.
2x RED = Module doesn't detect accessory input. Check accessory connection and redo module programming procedure.

If the LED remains RED instead of turning solid GREEN, press and release the module programming button. The LED will pulse RED the error number:

3x RED = Module doesn't detect ignition input. Check ignition wire connection and redo programming procedure.
4x RED = T-Harness only: Module doesn't detect ACC ON thru SWC. Check SWC, passlock and ACC connections and redo learn.
5x RED = T-Harness only: Module doesn't detect ignition ON thru SWC. Check SWC, passlock and ignition connections and redo learn.
6x RED = T-Harness only: Module detect ignition condition on both pink and pink/black wire. Impossible condition! Inspect t-harness and try to relearn with another one.
7x RED = T-Harness only: Module doesn't detect ignition ON thru SWC. Check SWC, passlock and ignition connections and redo learn. If relay is clicking non-stop: No passlock wires are detected (must be under 0.5v on acc. and between 3.7 and 4.3 on ignition).
8x RED = T-Harness only: Module detects passlock condition on both yellow and yellow/RED wire. Impossible condition! Inspect t-harness and try to relearn with another one.
9x RED = Module doesn't detect PK3 module on SWC. Check PK3 connections (12V power cut). Make sure blue connector is connected and the car starts normally!
10x RED = Module doesn't detect PK3 immobilizer question/response. Check PK3 connections (12V power cut).
11x RED = Module doesn't detect VIN on SWC and module was flashed by firmware. Flash by vehicle or contact tech support.
12x RED = Module didn't receive immobilizer readings from vehicle. Call technical support.
13x RED = Module received incomplete/partial immobilizer readings from vehicle. Let module click until it blinks green. If problem persist, call technical support.

14x RED = Remove key, open/close driver door, wait 5sec, and turn key back to ignition ON. If you still get error code 14, call technical support.
15x RED = Call technical support.

## GM11

If the LED doesn't turn RED, press and release module programming button. The LED will blink RED the error number:

1x RED = No SWC activity. Check the SWC wire connection.
2x RED = Module doesn't detect accessory input. Check accessory connection and redo programming procedure.

If the LED remains RED, press and release module programming button. The LED will blink RED the error number:

3x RED = Module doesn't detect ignition input. Check ignition connection and redo programming procedure.
4x RED = Module doesn't detect PK3 module on SWC. Check PK3 connections (12V power cut). Make sure blue connector is plugged in and the car starts normally!
5x RED = Module doesn't detect PK3 immobilizer question/response. Check PK3 connections (12V power cut). Remove key from the ignition, open/close driver door, wait at least 30 seconds and redo programming procedure. If problem persist, call technical support.
6x RED = No CAN activity. Check the CAN wire connections
7x RED = Module doesn't detect VIN on SWC. Press and release the module programming button 3x and display the 7x RED error code 3x to skip VIN detection.
8x RED = Module didn't receive immobilizer readings from vehicle. Call technical support.
9x RED = Module received incomplete/partial immobilizer readings from vehicle. Let it click until it blinks green. If it still doesn't work, call technical support.

## GM12

If the LED doesn't turn RED, press and release module programming button. The LED will blink RED the error number:

1x RED = No power on ACC. Check the accessory wire connection.
2x RED = Passlock is not detected. Check the passlock wire connection.
3x RED = Ignition never turns ON. Check the ignition wire connection.
4x RED = No HSCAN activity. Check the CANH and CANL wire connections.
5x RED = No SWC activity. Check the SWC wire connection.
6x RED = Keysense OUT is never received. Immobilizer data may affect keysense, check the immobilizer cut!
7x RED = No power on ACC. Check the accessory wire connection.
8x RED = Not the same key! Use only ONE key for the install.
9x RED = N/A
10x RED = N/A
11x RED = Keysense IN never received. Check the SWC connection.
12x RED = N/A
13x RED = N/A
14x RED = Check the immobilizer cut/relay connections.
15x RED = Klon is invalid. Redo the the Klon and 2nd part of the programming procedure.

## GM-SWC

No Trouble Codes available for this firmware. (Call Technical Support)