



Programming Diagnostics

CHRYSLER / DODGE / JEEP / PLYMOUTH / RAM

CH4

- 1x RED = Check CAN wires.
- 2x RED = Never received immobilizer question -> Try to relearn. If problem persist, contact tech support.
- 3x RED = Never received immobilizer answer -> Try to relearn. If problem persist, contact tech support.
- 4x RED = Never received the VIN -> Try to relearn. If problem persist, contact tech support.
- 5x RED = VIN received, but invalid -> Try to relearn. If problem persist, contact tech support.
- 7x RED = If no t-harness is detected! (RS-CH4 only)

CH5

- 1x RED = Check CAN wires.
- 2x RED = Check if vehicle is equipped with an immobilizer. If not equipped with an immobilizer, press and release programming button. For vehicles with immobilizer, try to relearn or contact tech support.
- 3x RED = Never received immobilizer answer. Try to relearn. If problem persist, contact tech support.
- 4x RED = Never received the VIN. Try to relearn. If problem persist, contact tech support.
- 5x RED = VIN received, but invalid. Try to relearn. If problem persist, contact tech support.

CH6

- 1x RED = No VIN received --> Check J1850 connection
- 2x RED = VIN received, but immobilizer detection problem --> Try to relearn. If problem persist, contact tech support.
- 3x RED = VIN received, but invalid immobilizer problem --> Try to relearn. If problem persist, contact tech support.
- 4x RED = VIN received, immobilizer learned, but VIN is invalid or unknown!!! --> Contact tech support.
- 5x RED = No J1850 detected --> Check J1850 connection.

CH7

If the LED never turns solid RED or never blinks GREEN, press module programming button and the LED will pulse RED the error number:

- 1x RED = No high speed CAN activity. Check CAN wires.
- 2x RED = Keyless codes not learned, be sure to press the unlock button on the OEM keyfob.
- 3x RED = No PTS on received (no 12V). Check PTS connection.
- 4x RED = No data on the immobilizer. Check if there is another OEM keyfob in the vehicle, then check immobilizer data wire connection.
- 5x RED = Ignition never turns ON. Check ignition wire connection.
- 6x RED = VIN not found. Check the CAN connections.
- 7x RED = No PTS off received (no GND). Check PTS connection.
- 8x RED = No PTS on (no 12V). Check PTS connection.
- 9x RED = No data on the immobilizer. Check if there is another OEM keyfob in the vehicle, then check immobilizer data wire connection.
- 10x RED = Not the same key! Use only ONE key for module programming.
- 11x RED = No data on the immobilizer. Check if there is another OEM keyfob in the vehicle, then check immobilizer data wire connection.
- 12x RED = No push received (no 12V). Check PTS connection.

13x **RED** = No data on the immobilizer. Check if there is another OEM keyfob in the vehicle, then check immobilizer data wire connection.

14x **RED** = No data on the immobilizer. Immobilizer data wire connection is on the wrong side of the cut or bad internal relay.

15x **RED** = Klon is invalid. Redo part 2 of Klon.

CH8

If the LED never turns solid **RED** or never blinks GREEN, press module programming button and the LED will pulse **RED** the error number:

1x **RED** = No high speed CAN activity. Check CAN wires.

2x **RED** = Keyless codes not learned, be sure to press the unlock button on the OEM keyfob.

3x **RED** = No data on the immobilizer. Check immobilizer data wire connection.

4x **RED** = Ignition never turns on. Check ignition wire connection.

5x **RED** = VIN not found. Check the CAN wires.

6x **RED** = No data on the immobilizer. Check immobilizer data wire connection.

7x **RED** = Not the same key! Use only ONE key for module programming.

8x **RED** = No data on the immobilizer. Check immobilizer data wire connection.

9x **RED** = No data on the immobilizer. Immobilizer data wire connection is on the wrong side of the cut or bad internal relay.

10x **RED** = Klon is invalid. Redo part 2 of Klon.

CH9

1x **RED** = Wait for ignition on -> Check ignition wire connection

2x **RED** = No CAN FT 50K activity -> Check connection on orange wire

3x **RED** = No CAN HS 500K activity -> Check connection on brown/red and brown/yellow

4x **RED** = No Challenge and/or Response captu**RED** (immobilizer learn step 1) -> Try to relearn. If problem persist, contact tech support.

5x **RED** = No Challenge and/or Response captu**RED** (immobilizer learn step 2) -> Try to relearn. If problem persist, contact tech support.

6x **RED** = Response verification failed (immobilizer learn step 2) -> Try to relearn. If problem persist, contact tech support.

7x **RED** = No platform found -> Contact tech support.

CH10

If the LED never turns solid **RED** or never blinks GREEN, press module programming button and the LED will pulse **RED** the error number:

1x **RED** = No high speed CAN activity. Check CAN wires.

2x **RED** = Keyless codes not learned, be sure to press the unlock button on the OEM keyfob.

3x **RED** = No activity on the start enable. Check the orange wire connection.

4x **RED** = Ignition never turns ON. Check ignition wire connection.

5x **RED** = VIN not found. Check the CAN wire connections or flash by vehicle.

6x **RED** = No challenge/response received. Check the CAN wire connections and make sure the FOB is inside the car with the battery in it.

7x **RED** = No challenge/response received. Check the CAN wire connections and make sure the FOB is inside the car with the battery in it.

8x **RED** = Invalid Klon. Reset module and repeat programming procedure from step 1.

9x **RED** = Ignition never turns ON. Check the connection to the ignition.

CH11

If the LED never turns solid **RED** or never blinks GREEN, press module programming button and the LED will pulse **RED** the error number:

1x **RED** = No high speed CAN activity. Check CAN wire connections.

2x **RED** = Keyless codes not learned, be sure to press the unlock button on the OEM keyfob.

3x **RED** = No activity on the start enable. Check the orange wire connection.

4x **RED** = Ignition never turns ON. Check ignition wire connection.

5x **RED** = VIN not found. Check the CAN wire connections or flash by vehicle.

6x **RED** = No challenge/response received. Check the CAN wire connections or cycle IGN ON, OFF, key OUT 9 times.

7x **RED** = No challenge/response received. Check the CAN wire connections and make sure the FOB is inside the car with the battery in it.

8x **RED** = Invalid Klon. Reset module and repeat programming procedure from step 1.

9x **RED** = Ignition never turns ON. Check the connection to the ignition.





Programming Diagnostics

ACURA / HONDA

HA

No Trouble Codes available for this firmware. Call technical support.

HA1

No Trouble Codes available for this firmware. Call technical support.

HA2

No Trouble Codes available for this firmware. Call technical support.

HA3

1x **RED** = No CAN activity in the last 2 seconds. Check CAN wire connections.

HA4

1x **RED** = No CAN activity in the last 2 seconds. Check CAN wire connections.

HA5

No Trouble Codes available for this firmware. Call technical support.

HA6

1x **RED** = No CAN activity. Check the CAN wire connections.
2x **RED** = Klon data is wrong! Check the S-NET data wire connection. Also try opening and closing driver door.
3x **RED** = No data on S-NET! Check the S-NET data wire connection.

HA7

1x **RED** = No CAN activity. Check the CAN wire connections.
2x **RED** = Klon data is wrong! Check the S-NET data wire connection. Also try opening and closing driver door.
3x **RED** = No data on S-NET! Check the S-NET data wire connection.



Programming Diagnostics

FORD / LINCOLN / MERCURY

FM

- 1x RED = No activity on the CAN network (check CAN wires)
- 2x RED = VIN detection doesn't work (check CAN wires)

FM4

- 1x RED = No CAN activity detected in the last 3sec. (check CAN wires)
- 2x RED = No VIN detected, in the last 3 sec. (You can press programming switch to skip VIN detection)
- 3x RED = Door or trunk is open. (ALL DOORS AND TRUNK MUST BE CLOSED)
- 4x RED = Not able to perform KLON readings. (Make sure key is inserted properly OR held in front of keyport, then check TX & RX.)
- 5x RED = 40bit transponder detected / Not supported by DL-FM4! (Should never happen!)

FM5

- 1x RED = No high speed CAN activity. (Check the CAN wire connections)
- 2x RED = No push received (no GND). (Check the connection to the push button. CHECK IMMO WIRING ALSO)
- 3x RED = No data on the immobilizer. (Check the immobilizer data and immobilizer clock wire connections)
- 4x RED = Ignition never turns ON. (Check the connection to the ignitionwire connection)

FM6

- 1x RED = No CAN activity. (Check the CAN wire connection (must be on CAN1).
- 2x RED = Ignition never turns ON. (Check the CAN wire connection (must be on CAN1).
- 3x RED = NOT USED
- 4x RED = Ignition must be OFF. (Check every step of the programming procedure.)
- 5x RED = Ignition never turns ON. (Check the CAN wire connection (must be on CAN2).
- 6x RED = No CAN activity (125K). (Check the CAN wire connection (must be on CAN2).





Programming Diagnostics

BUICK / CHEVROLET / GMC / PONTIAC

GM1

No trouble codes available for this firmware. (Call Technical Support)

GM2

No trouble codes available for this firmware. (Call Technical Support)

GM3

No trouble codes available for this firmware. (Call Technical Support)

GM4

No trouble codes available for this firmware. (Call Technical Support)

GM5

No trouble codes available for this firmware. (Call Technical Support)

GM6

No trouble codes available for this firmware. (Call 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 ACC. Check connection to the accessory input on module.
- 2x **RED** = Mux 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 barrel, 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 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 CAN 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 data 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.

3x **RED** = ACC before Key out signal (bad SWC wake up). Reset and re-learn module step by step as shown in the install guide!

4x **RED** = No power on ACC. Check connection to the accessory vehicle.

5x **RED** = Not attributed

6x **RED** = Ignition never turns ON. Check the connection to the ignition.

7x **RED** = No HSCAN activity. Check the CAN wire connection.

8x **RED** = Not attributed

9x **RED** = Wrong Key Sense position view by the analog wire. (Check the analog wire connection or check if the key is at Ignition.)

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.
3x RED = ACC before Key out signal (bad SWC wake up). Reset and re-learn module step by step as shown in the install guide!
4x RED = No power on ACC. Check connection to the accessory vehicle.
5x RED = Not attributed
6x RED = Ignition never turns ON. Check the connection to the ignition.
7x RED = No HSCAN activity. Check the CAN wire connection.
8x RED = Not attributed
9x RED = Wrong Key Sense position view by the analog wire. (Check the analog wire connection or check if the key is at Ignition.)

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 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 wireconnection 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 it click until it blinks green. If still doesn't work, call technical support.
14x RED = Module didn't receive the PK3 ID (disarm header) on SWC bus. This PK3 ID is necessary to disarm OEM alarm with PK3. 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 = Module received the PK3 disarm header but not the Disarm ID. 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.

GM-SWC

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





Programming Diagnostics

HYUNDAI / KIA

HK

No Trouble Codes available for this firmware. Call technical support.

HK2

1x RED = No CAN activity
2x RED = CAN activity, but can't find platform. Flash by vehicle or call technical support.

HK3

1x RED = No CAN activity. Check the CAN wire connections.
2x RED = N/A
3x RED = No immobilizer data. Check immobilizer data wire connection.
4x RED = Unknown immobilizer frame received. Possible cause is bad immobilizer wire cut (always open): Easy to test, during learn start the vehicle. If the vehicle doesn't start, verify immobilizer cut connection (always open due to bad cut connection). Maybe a TB-HK2 platform.
5x RED = Call technical support
6x RED = Call technical support
7x RED = Call technical support
8x RED = TB-HK2 detected! Check year and model of vehicle.

DL-HK4

1x RED = No CAN activity
2x RED = Can't find platform. Flash by vehicle or call tech support.
3x RED = No immobilizer data. Check GRAY/RED and GREEN/RED wire connections.
4x RED = Missing immobilizer data. Possible cause is bad immobilizer wire cut (always open). Easy to test. During learn start the vehicle. If the vehicle doesn't start, verify immobilizer cut connection (always open due to bad cut connection).
5x RED = Missing immobilizer data. Check GRAY/RED and GREEN/RED wires.
6x RED = Call technical support
7x RED = Call technical support
8x RED = Call technical support
9x RED = Call technical support
10x RED = Call technical support
11x RED = Call technical support
12x RED = Call technical support
13x RED = Call technical support
14x RED = Call technical support
15x RED = Call technical support

RSA-HK4

1x RED = No CAN activity. Check BROWN/RED and BROWN/YELLOW CAN wire connections.
2x RED = No platform found. Flash by vehicle and/or check BLUE/RED and BLUE/YELLOW CAN wire connections.
3x RED = No engine CAN activity. Check BLUE/RED and BLUE/YELLOW connections.

4x **RED** = VIN detection failed (Quickly press and release programming button to skip VIN detection)
5x **RED** = No immobilizer data. Check GRAY/RED and GREEN/RED wire connections.
6x **RED** = Call technical support
7x **RED** = No immobilizer data. Check GRAY/RED and GREEN/RED wire connections.
8x **RED** = Call technical support
9x **RED** = Call technical support
10x **RED** = Call technical support
11x **RED** = Call technical support
12x **RED** = Call technical support
13x **RED** = Different transponder type detected, please check model and year or use RSA-HK5
14x **RED** = Call technical support
15x **RED** = Call technical support

HK5

1x **RED** = No CAN activity. Check CAN wire connections.
2x **RED** = Can't find platform. Flash by vehicle or call tech support.
3x **RED** = No immobilizer data. Check immobilizer data wire connection.
4x **RED** = Call technical support
5x **RED** = Call technical support
6x **RED** = Call technical support
7x **RED** = Call technical support
8x **RED** = This vehicle is not an HK5
9x **RED** = RSA-HK5: Check OBDII/Engine CAN wires. DL-HK5: Call tech support.
10x **RED** = Call technical support
11x **RED** = Call technical support
12x **RED** = Call technical support
13x **RED** = Call technical support
14x **RED** = Call technical support
15x **RED** = Call technical support

HK7

1x **RED** = No CAN activity. Check CAN wire connections.
2x **RED** = Can't find platform. Flash by vehicle or call tech support.
3x **RED** = No immobilizer data. Check immobilizer data wire connection.
4x **RED** = Call technical support
5x **RED** = Call technical support
6x **RED** = Call technical support
7x **RED** = Call technical support
8x **RED** = This vehicle is not an HK7
9x **RED** = RSA-HK7: Check OBDII/Engine CAN wires. DL-HK7: Call tech support.
10x **RED** = Call technical support
11x **RED** = Call technical support
12x **RED** = Call technical support
13x **RED** = Call technical support
14x **RED** = Call technical support
15x **RED** = Call technical support





Programming Diagnostics

MAZDA

MA

- 1x RED = Ignition but not CAN activity. Check CAN wires.
- 2x RED = CAN, but VIN not received. Call technical support
- 3x RED = CAN, but VIN is only partially received. Call technical support
- 4x RED = Not able to perform KLON log properly. Check immobilizer connections.
- 5x RED = KLON log OK but RX cut is inverted. Check immobilizer connections.
- 6x RED = KLON validation fail. Retry entire KLON procedure. If it still fails, call technical support.

MA2

No Trouble Codes available for this firmware. Call technical support.

MA3

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

- 1x RED = No CAN activity. Check the CAN wire connections.
- 2x RED = Ignition never turns ON. Check the ignition wire connection.
- 3x RED = Time Out! Repeat the first steps again and check the CAN wire connections.
- 5x RED = Did not install as per new install guide when switching from V1.9 to 2.0 of the firmware.

AFTER KLON

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

- 1x RED = No CAN activity. Check the CAN wire connections.
- 2x RED = Ignition never turns ON. Check the ignition wire connection.
- 4x RED = No Answer from BCM. Check the CAN wire connections.
- 5x RED = Did not install as per new install guide when switching from V1.9 to 2.0 of the firmware.

If the LED begins flashing RED rapidly, the Klon data may be invalid. Try turning ignition OFF and start the car. If it doesn't work, reset module and repeat the entire programming sequence.

MA4

- 1x RED = No CAN activity. Check the CAN wire connections.
- 2x RED = No VIN detected. Call technical support.
- 3x RED = VIN detected, but platform not found. Call technical support.
- 4x RED = N/A
- 5x RED = Call technical support





Programming Diagnostics

MITSUBISHI

MI2

- 1x RED = check CAN wires.
- 2x RED = Never received immobilizer question. Quick press on module button to skip immobilizer learn (we will do only doorlock!)
- 3x RED = Never received immobilizer answer. Call technical support.
- 4x RED = Never received VIN. Call technical support.
- 5x RED = VIN received, but invalid. Call technical support.
- 6x RED = Immobilizer received, but invalid. Call technical support.

MI3

- 1x RED = Check CAN wires
- 2x RED = Never received immobilizer question. Call technical support.
- 3x RED = Never received immobilizer answer. Call technical support.
- 4x RED = Never received VIN. Call technical support.
- 5x RED = VIN received, but invalid. Call technical support.
- 6x RED = Immobilizer received, but invalid. Call technical support.

MI4

- 1x RED = Check CAN wires.
- 2x RED = Never received immobilizer question. Call technical support.
- 3x RED = Never received immobilizer answer. Call technical support.
- 4x RED = Never received VIN. Call technical support.
- 5x RED = VIN received, but invalid. Call technical support.
- 6x RED = Immobilizer received, but invalid. Call technical support.





Programming Diagnostics

NISSAN / INFINITI

NI1

- 1x RED = No CAN activity. Check the CAN wire connections.
- 2x RED = Timeout key learning. Check the CAN wire connections.
- 3x RED = VIN not found. Call technical support.

NI3

- 1x RED = No CAN Detected. Check CAN wire connections.
- 2x RED = No immobilizer data. Check if CAN wires are at the right location.
- 3x RED = VIN not found or detected. Call technical support.

NI4

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

- 1x RED = No high speed CAN activity. Check the CAN wire connections.
- 2x RED = No data on the immobilizer. Check the immobilizer data wire connection. Check your ground.
- 3x RED = N/A
- 4x RED = Ignition never turns ON. Check the ignition connection.
- 5x RED = Wrong data on the immobilizer. Check the immobilizer data wire connection. Check your ground.

NOTE: If no diagnostics are displayed, check the IMMO data and IMMO clock wires. They must be correct to display an error code.

NI5

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

- 1x RED = No high speed CAN activity. Check the CAN wire connections.
- 2x RED = No push receive (no GND). Check the PTS connection.
- 3x RED = No data on the immobilizer. Check the immobilizer data wire connection.
- 4x RED = No push receive (no GND). Check the PTS connection.
- 5x RED = No data on the immobilizer. Check the immobilizer data wire connection.
- 6x RED = Ignition never turns ON. Check the connection to the ignition.
- 7x RED = Not the same key! Use ONLY one key for the module programming procedure.

NI6

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

- 1x RED = No high speed CAN activity. Check the CAN wire connections.
- 2x RED = No push receive (no GND). Check the PTS connection.
- 3x RED = Ignition never turns ON. Check the ignition wire connection.

4x **RED** = No brake receive. Check the CAN wire connections.
5x **RED** = No data on the immobilizer. Check the immobilizer data wire connection. Make sure that there is not another FOB inside the vehicle.
6x **RED** = No brake receive. Check the CAN wire connections.
7x **RED** = No brake receive. Check the CAN wire connections.
8x **RED** = No data on the immobilizer. Check the immobilizer data wire connection.
9x **RED** = Not the same Key. Use only one key during the module programming procedure.
10x **RED** = No push receive (no GND). Check the PTS connection.
11x **RED** = No data on the immobilizer. Check the immobilizer data wire connection.
12x **RED** = Data made by the Klon is wrong. Need to reflash step 1 in the module, need to close all doors, relearn and redo Klon.
13x **RED** = Ignition never turns ON. Check the ignition wire connection.

NI8

1x **RED** = No CAN activity. Check the CAN wire connections.
2x **RED** = Waiting for ignition ON. Check the ignition connection.
3x **RED** = JS3 NI3 T-harness connector plugged in, check JS3 connector. (Doesn't apply to DL-NI3)
4x **RED** = Key-in detected. This is a key vehicle, use NI9.
5x **RED** = Call technical support.
6x **RED** = Call technical support.
7x **RED** = Calculated response doesn't match. Restart programming.

NI9

1x **RED** = No CAN activity, Check the CAN wire connections.
2x **RED** = Waiting for ignition ON. Check the ignition connection.
3x **RED** = No key detected. This is a PTS vehicle, use NI8.
4x **RED** = JS3 NI3 T-harness connector plugged in, check JS3 connector. (Doesn't apply to DL-NI3)
5x **RED** = Call technical support.
6x **RED** = Call technical support.
7x **RED** = Calculated response doesn't match
8x **RED** = You must have a T-Harness to learn on FO (square box) module. (Doesn't apply to DL-NI3)





Programming Diagnostics

SUZUKI

SZ1

If the LED never blinks GREEN, press and release the module programming button. The LED will blink **RED** the error number:

- 1x **RED** = No high speed CAN activity. Check the CAN wire connections.
- 2x **RED** = No data on the immobilizer. Check the immobilizer data wire connection.
- 3x **RED** = Ignition never turns OFF. Check the ignition wire connection.
- 4x **RED** = Ignition never turns ON. Check the ignition wire connection.
- 5x **RED** = No data on the immobilizer. Check the immobilizer data wire connection.
- 6x **RED** = Not the same key! Use only one key for module programming.

AFTER KLON:

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

- 7x **RED** = Ignition never turns ON. Check the ignition wire connection.
- 8x **RED** = No data on the immobilizer. Check the immobilizer data wire connection.
- 9x **RED** = Invalid Klon data. Reset module and repeat the entire programming procedure.

NOTE: If the LED flashes **RED**/GREEN many times, check that the immo data wire is correctly connected.

SZ2

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

- 1x **RED** = No high speed CAN activity. Check the CAN wire connections.
- 2x **RED** = No data on the immobilizer. Check the immobilizer data or PTS wire connection.
- 3x **RED** = Ignition never turns ON. Check the connection to the ignition.
- 4x **RED** = Ignition never turns OFF. Check the connection to the ignition.
- 5x **RED** = No data on the immobilizer. Check the immobilizer data or PTS wire connection.
- 6x **RED** = Wrong key ID. Possibly not holding the FOB correctly.

AFTER KLON:

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

- 7x **RED** = No data on the immobilizer. Check the immobilizer data or PTS wire connection.
- 8x **RED** = Invalid Klon data. Reset module and repeat the entire programming procedure.
- 9x **RED** = Ignition never turns ON. Check the connection to the ignition.
- 10x **RED** = Ignition never turns OFF. Check the connection to the ignition.





Programming Diagnostics

VOLVO

VO

1x RED = No CAN activity. Check the CAN wire connections.

VO2

If the LED flashes 1x RED and 4x GREEN, wrong firmware must use VO4.

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

1x RED = No CAN activity. Check the CAN wire connections.

2x RED = Ignition never turns ON. Check the ignition wire connection.

3x RED = VIN unknown. Check if year and model is listed. Contact tech support.

4x RED = Wrong keysense message. Check if the fob is OUT (fob must be out just before the step 6)

5x RED = Wrong keysense message. Fob must be in the port.

6x RED = Wrong keysense message. Check if the fob is OUT (fob must be OUT between step 6 and 7)

7x RED = Wrong keysense message. Fob must be IN the port.

8x RED = Not the same key! Use ONLY one key for the install.

9x RED = N/A

10x RED = Wrong keysense message. Check if the key is OUT (key must be OUT between step 7 and 8)

11x RED = Wrong keysense message. Key must be IN the port.

12x RED = Invalid Klon data. Reset module and repeat the entire programming procedure.

VO3

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

1x RED = N/A

2x RED = No CAN activity. Check the CAN wire connections.

3x RED = Ignition never turns ON. Check the ignition wire connection.

4x RED = VIN not found. Check if year and model is listed. Contact tech support.

5x RED = Invalid Klon data. Reset module and repeat the entire programming procedure.

VO4

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

1x RED = N/A

2x RED = No CAN activity. Check the CAN wire connections.

3x RED = Ignition never turns ON. Check the ignition wire connection.

4x RED = VIN not found. Check if year and model is listed. Contact tech support.

5x RED = Invalid Klon data. Reset module and repeat the entire programming procedure.





Programming Diagnostics

SUBARU

SUB

1x RED = No CAN detected in the last 4 seconds. Check CAN wire connections.
2x RED = No ignition detected. Check ignition wire connection.

SUB2

If the LED never gives 1x GREEN blink, press and release the module programming button. The LED will blink RED the error number:

1x RED = No immobilizer data received. Did you start the vehicle? Check wiring. Make sure our ignition has power during crank.
6x RED = Immobilizer question received, but not the answer. Does the vehicle start properly? Check wiring and if problem persist call tech support.
7x RED = Immobilizer answer received, but not the question. Does the vehicle start properly? Check wiring and if problem persist call tech support.
Any other error code, call technical support.

AFTER KLON

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

1x RED = No immobilizer data received. Did you start the vehicle? Check wiring.
3x RED = OEM remote starter is detected, please remove to avoid conflict.
4x RED = No ignition. Did you start the vehicle? Check ignition wiring.
6x RED = Immobilizer question received, but not the answer. Was the vehicle (key) started? Check wiring and call technical support if problem persist.
7x RED = Immobilizer answer received, but not the question. Was the vehicle (key) started? Check wiring and call technical support.

NOTE: If the LED blinks GREEN/RED, we do not detect CAN message! Please check CAN connection! Any other error code, please call technical support.

SUB3

If the LED never gives 1x GREEN blink, press and release the module programming button. The LED will blink RED the error number:

1x RED = No immobilizer data received. Did you start the vehicle? Check wiring. Make sure our ignition has power during crank.
6x RED = Immobilizer question received, but not the answer. Was the vehicle (key) started? Check wiring and call technical support if problem persist.
7x RED = Immobilizer answer received, but not the question. Was the vehicle (key) started? Check wiring and call technical support. Any other error code, call technical support.

AFTER KLON

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

1x RED = No immobilizer data received. Did you key start the vehicle? Check wiring.

2x **RED** = No CAN activity. Check the CAN wire connections.

4x **RED** = No ignition. Did you start the vehicle? Check ignition wiring.

5x **RED** = You need to connect the keyless data wire.

6x **RED** = Immobilizer question received, but not the answer. Was the vehicle (key) started? Check wiring and call technical support if problem persist.

7x **RED** = Immobilizer answer received, but not the question. Was the vehicle (key) started? Check wiring and call technical support. Any other error code, call technical support.

SUB4

If the LED never gives 1x GREEN blink, press and release the module programming button. The LED will blink **RED** the error number:

6x **RED** = No immobilizer data received. Did you start the vehicle? Check wiring. Make sure our ignition has power during crank.

7x **RED** = Immobilizer question received, but not the answer. Was the vehicle (key) started? Check wiring and call technical support if problem persist.

8x **RED** = Immobilizer answer received, but not the question. Was the vehicle (key) started? Check wiring and call technical support. Any other error code, call technical support.

AFTER KLON

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

1x **RED** = No keyense. Check keysense input wire.

2x **RED** = No CAN activity. Check the CAN wire connections.

3x **RED** = No platform detected, call tech support.

5x **RED** = You need to connect the keyless data wire.

6x **RED** = No immobilizer data received. Did you start the vehicle? Check wiring. Make sure our ignition has power during crank.

7x **RED** = Immobilizer question received, but not the answer. Was the vehicle (key) started? Check wiring and call technical support if problem persist.

8x **RED** = Immobilizer answer received, but not the question. Was the vehicle (key) started? Check wiring and call technical support. Any other error code, call technical support.





Programming Diagnostics

TOYOTA / LEXUS / SCION

TL1

- 1x **RED** = N/A
- 2x **RED** = VIN not detected. Check CAN wire connections or call tech support.
- 3x **RED** = Unknown VIN received, call tech support.
- 4x **RED** = Unable to learn immobilizer code. Call technical support.
- 5x **RED** = An OEM remote starter is detected on CAN bus (you can validate with OEM remote 2x quick LOCK followed by holding LOCK 4sec). OEM remote starter must be disconnected, call tech support for additional info.
- 6x **RED** = Manual transmission vehicle is detected in RS firmware. RS firmware does not support manual transmission.

TL2

- 1x **RED** = No CAN detected. Check CAN wire connections.
- 2x **RED** = VIN not detected. Check CAN wire connections or call tech support.
- 3x **RED** = VIN is unknown. Call technical support.
- 4x **RED** = Unable to learn immobilizer code. Call technical support.
- 5x **RED** = An OEM remote starter is detected on CAN bus (you can validate with OEM remote 2x quick LOCK followed by holding LOCK 4sec). OEM remote starter must be disconnected, call tech support for additional info.
- 6x **RED** = Key platform detected (may be caused by factory remote starter). Call technical support.
- 7x **RED** = Problem with RX wire. Check RX wire connection.
- 8x **RED** = Problem with TX wire. Check TX wire connection.

TL3

- 1x **RED** = No CAN detected. Check CAN wire connections.
- 2x **RED** = VIN not detected. Check CAN wire connections or call tech support.
- 3x **RED** = VIN is unknown. Call technical support.
- 4x **RED** = Unable to learn immobilizer code. Call technical support.
- 5x **RED** = An OEM remote starter is detected on CAN bus (you can validate with OEM remote 2x quick LOCK followed by holding LOCK 4sec). OEM remote starter must be disconnected, call tech support for additional info.
- 6x **RED** = Key platform detected (may be caused by factory remote starter). Call technical support.

TL4

- 1x **RED** = No CAN detected. Check CAN wire connections.
- 2x **RED** = VIN not detected. Check CAN wire connections or call tech support.
- 3x **RED** = VIN is unknown. Call technical support.
- 4x **RED** = Not able to learn IMI clock type. Check IMI wire connection and make sure you started the vehicle.
- 5x **RED** = IMO data not detected. Check IMO wire connection.
- 6x **RED** = Immobilizer question received but not the answer. Check IMI and IMO wire connections. They are possibly reversed. Redo your connections, turn ignition OFF and restart vehicle.

TL5

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

- 1x RED = No CAN activity. Check the CAN wire connections.
- 2x RED = Ignition never turns ON. Check the ignition wire connection.
- 3x RED = No Immobilizer data. Check the immobilizer (SIL) data wire connection
- 4x RED = The VIN is unknown. Call technical support.

NOTE: If the LED flashes RED/GREEN RED/GREEN RED/GREEN, check the immobilizer data wire connection. The immobilizer learn has been skipped.

TL6

- 1x RED = No CAN detected, Check the CAN wire connections.
- 2x RED = VIN not detected. Check CAN wire connections or call tech support.
- 3x RED = VIN is unknown. Call technical support.
- 4x RED = Unable to learn immobilizer code. Call technical support.
- 5x RED = An OEM remote starter is detected on CAN bus (you can validate with OEM remote 2x quick LOCK followed by holding LOCK 4sec). OEM remote starter must be disconnected, call tech support for additional info.
- 6x RED = Key platform detected (may be caused by factory remote starter). Call technical support.
- 7x RED = Problem with RX wire. Check RX wire connection.
- 8x RED = Problem with TX wire. Check TX wire connection.

TL7

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

- 1x RED = No CAN activity. Check the CAN wire connections.
- 2x RED = Ignition never turns ON. Check the ignition wire connection.
- 3x RED = Unable to learn immobilizer code. Check the CAN connection and the vehicle compatibility. The vehicle may have a OEM remote starter that needs to be unplugged/removed. Call technical support if error persist.
- 4x RED = VIN not detected. Check CAN wire connections or call tech support.
- 5x RED = VIN is unknown or this is a USDM Lexus model with Enform system. Call technical support.
- 6x RED = An OEM remote starter is detected on CAN bus (you can validate with OEM remote 2x quick LOCK followed by holding LOCK 4sec). OEM remote starter must be disconnected, call tech support for additional info.

TL9

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

- 1x RED = No CAN activity. Check the CAN wire connections.
- 2x RED = Analog ignition input not detected. Check the ignition wire connection.
- 3x RED = No immobilizer data. Check the immobilizer data wire (SIL) connection
- 4x RED = VIN is unknown. Call technical support.
- 5x RED = Waiting for ignition ON from CAN. Turn ignition OFF for 2 seconds, then back ON. If problem persist, call technical support.
- 6x RED = T-Harness ONLY: Wrong ignition harness type (A) is detected. Turn ignition OFF, connect proper harness (B or C), then turn ignition ON again.
- 7x RED = T-Harness ONLY: Wrong ignition harness type (B or C) is detected. Turn ignition OFF, connect proper harness (A), then turn ignition ON again.
- 8x RED = Vehicle started when only ignition should be turned ON. Reset and redo learn procedure, but do not start the vehicle! If problem persist, contact technical support.

If the LED flash RED/GREEN RED/GREEN RED/GREEN, check the immobilizer data wire connection. The immobilizer learn has been skipped.





Programming Diagnostics

VOLKSWAGEN / AUDI

VW1

1x RED = No CAN activity. Check the CAN wire connections.

VW2

1x RED = No CAN activity. Check the CAN wire connections.

VW3

1x RED = No CAN activity. Check the CAN wire connections.

2x RED = VIN not detected. Check the CAN wire connections, then call technical support.

VW4

1x RED = No CAN activity. Check the CAN wire connections.

2x RED = VIN not detected. Check the CAN wire connections, then call technical support.

2x RED = VIN not recognized, call technical support.

VW5

1x RED = No CAN activity. Check the CAN wire connections.

VW6

1x RED = No CAN activity. Check the CAN wire connections.

VW7

1x RED = No CAN activity. Check the CAN wire connections.

2x RED = Ignition never turns ON. Check the ignition wire connection.

3x RED = VIN is not detected. Contact technical support if module doesn't learn automatically after 3x RED.

VW8

1x RED = No CAN activity. Check the CAN wire connections.

2x RED = Ignition never turns ON. Check the ignition wire connection.

3x RED = VIN is not detected. Contact technical support if module doesn't learn automatically after 3x RED.

