



# 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** = N/A
- 6x **RED** = N/A
- 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 captured **RED** (immobilizer learn step 1) -> Try to relearn. If problem persist, contact tech support.  
5x **RED** = No Challenge and/or Response captured **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.

## CH12

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** = Ignition never turns ON. Check ignition wire connection.
- 4x **RED** = No challenge/response received. Check the CAN wire connections and make sure the OEM keyfob is inside the car with the battery in it.
- 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.
- 8x **RED** = Ignition never turns OFF.
- 9x **RED** = No immobilizer data. Check the immobilizer data connection.

