PRODUCT GUIDE
iDatastart VWX

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NOTICE
The manufacturer will accept no responsability for any electrical damage resulting from improper installation of this product, be that either damage to the vehicle itself or to the installed device. This device must be installed by a certified technician. Please review the Installation Guide carefully before beginning any work.

WELCOME

Congratulations on the purchase of your iDataStart VWX solution. You are now a few simple steps away from enjoying your new remote starter unit with enhanced features.

Before starting your installation, please ensure that your iDataStart VWX module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.
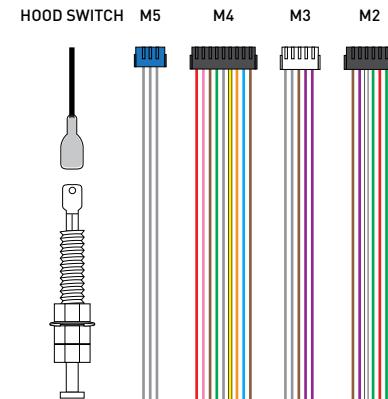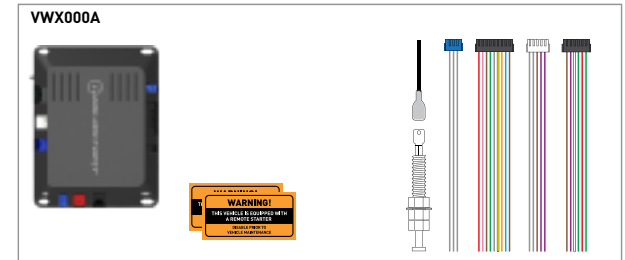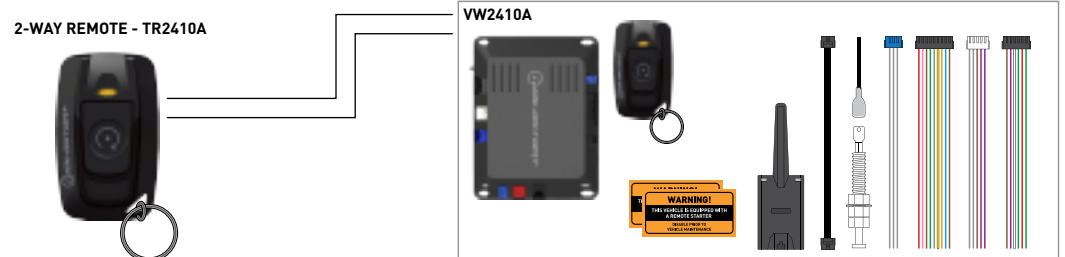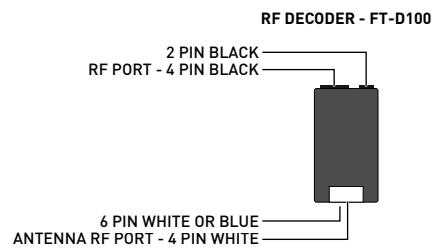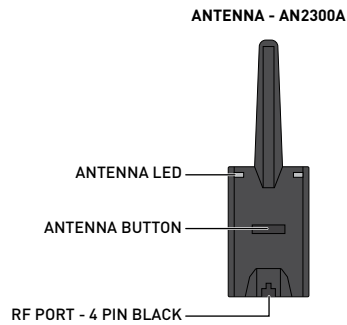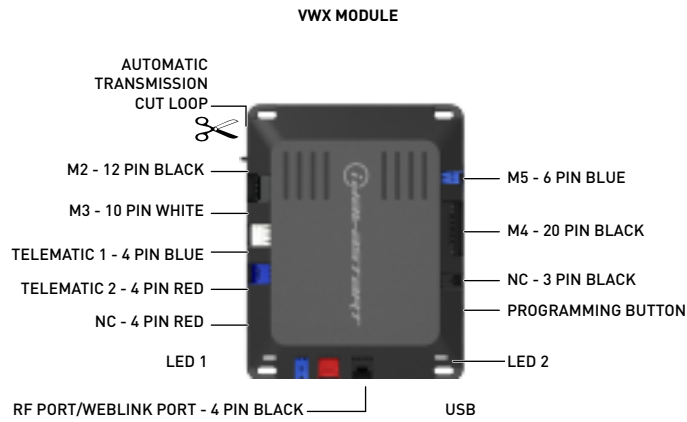
NEED HELP?

📞 **1 866 427-2999**

✉ **support@idatalink.com**

💬 **idatalink.com/support**
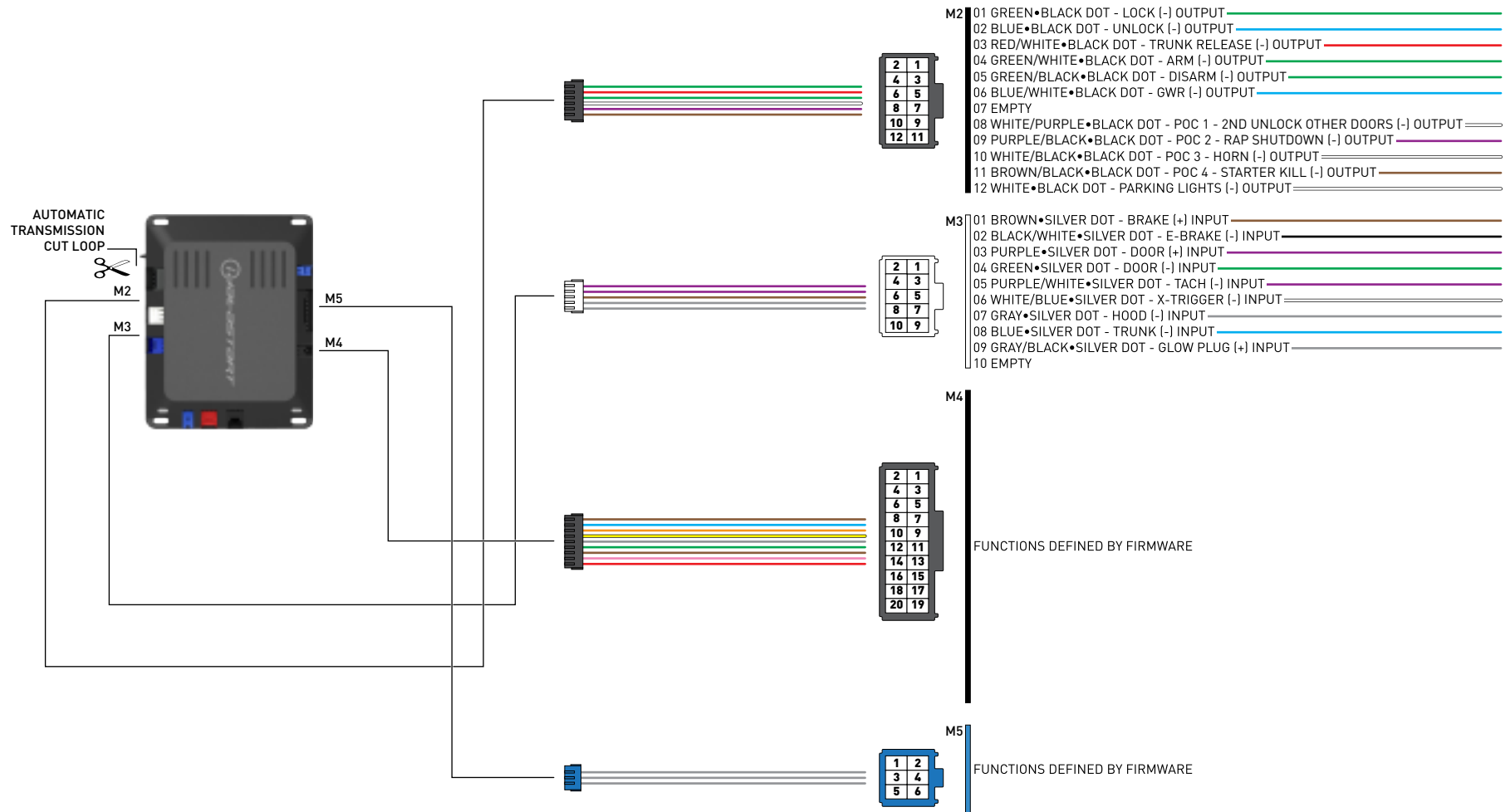**www.12voltdata.com/forum**
www.facebook.com/groups/idatatech

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VWX MODULE

AUTOMATIC
TRANSMISSION
CUT LOOP

M2 - 12 PIN BLACK

M3 - 10 PIN WHITE

TELEMATIC 1 - 4 PIN BLUE

TELEMATIC 2 - 4 PIN RED

NC - 4 PIN RED

LED 1

RF PORT/WEBLINK PORT - 4 PIN BLACK

M5 - 6 PIN BLUE

M4 - 20 PIN BLACK

NC - 3 PIN BLACK

PROGRAMMING BUTTON

LED 2

USB

ANTENNA - AN2300A

ANTENNA LED

ANTENNA BUTTON

RF PORT - 4 PIN BLACK

RF DECODER - FT-D100

2 PIN BLACK
RF PORT - 4 PIN BLACK

6 PIN WHITE OR BLUE
ANTENNA RF PORT - 4 PIN WHITE

2-WAY REMOTE - TR2410A

VW2410A

WARNING!
THIS VEHICLE IS EQUIPPED WITH
A REMOTE STARTER
DISABLE PRIOR TO
VEHICLE MAINTENANCE

VWX000A

WARNING!
THIS VEHICLE IS EQUIPPED WITH
A REMOTE STARTER
DISABLE PRIOR TO
VEHICLE MAINTENANCE

ANTENNA
CABLE

RF DECODER
CABLE

HOOD SWITCH   M5   M4   M3   M2

STICKERS

WARNING!
THIS VEHICLE IS EQUIPPED WITH
A REMOTE STARTER
DISABLE PRIOR TO
VEHICLE MAINTENANCE

VWX MODULE

AUTOMATIC
TRANSMISSION
CUT LOOP

M2

M3

M5

M4

M2
01 GREEN•BLACK DOT - LOCK (-) OUTPUT
02 BLUE•BLACK DOT - UNLOCK (-) OUTPUT
03 RED/WHITE•BLACK DOT - TRUNK RELEASE (-) OUTPUT
04 GREEN/WHITE•BLACK DOT - ARM (-) OUTPUT
05 GREEN/BLACK•BLACK DOT - DISARM (-) OUTPUT
06 BLUE/WHITE•BLACK DOT - GWR (-) OUTPUT
07 EMPTY
08 WHITE/PURPLE•BLACK DOT - POC 1 - 2ND UNLOCK OTHER DOORS (-) OUTPUT
09 PURPLE/BLACK•BLACK DOT - POC 2 - RAP SHUTDOWN (-) OUTPUT
10 WHITE/BLACK•BLACK DOT - POC 3 - HORN (-) OUTPUT
11 BROWN/BLACK•BLACK DOT - POC 4 - STARTER KILL (-) OUTPUT
12 WHITE•BLACK DOT - PARKING LIGHTS (-) OUTPUT

M3
01 BROWN•SILVER DOT - BRAKE (+) INPUT
02 BLACK/WHITE•SILVER DOT - E-BRAKE (-) INPUT
03 PURPLE•SILVER DOT - DOOR (+) INPUT
04 GREEN•SILVER DOT - DOOR (-) INPUT
05 PURPLE/WHITE•SILVER DOT - TACH (-) INPUT
06 WHITE/BLUE•SILVER DOT - X-TRIGGER (-) INPUT
07 GRAY•SILVER DOT - HOOD (-) INPUT
08 BLUE•SILVER DOT - TRUNK (-) INPUT
09 GRAY/BLACK•SILVER DOT - GLOW PLUG (+) INPUT
10 EMPTY

M4
FUNCTIONS DEFINED BY FIRMWARE

M5
FUNCTIONS DEFINED BY FIRMWARE
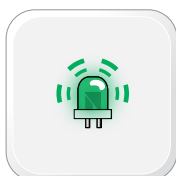
01 START vehicle for 15 seconds.

02 Press and hold the brake pedal.

03 Press and release the module's programming button. (OR if the remotes are already programmed to the vehicle, press and hold the start button of the remote for 2.5 seconds.)

04 Wait, LED 2 will flash GREEN. (See the Module Diagnostics page)

05 Release the brake pedal.

06 Module Programming Procedure completed.

01 [4x] WARNING: Complete the module programming procedure and tach programming procedure before programming the remotes. A maximum of four [4x] remotes per system.

02 Set ignition to ON position.

OFF ACC **ON** START

03 Press and release the antenna button, then press and hold the antenna button. The antenna's leds will turn solid BLUE.

04 Parking Light will flash once [1x].

05 Press once [1x] on the LOCK button of each remote.

06 The antenna's leds will flash BLUE once [1x] for each successful pairing.

07 Release the antenna button. The antenna's leds will turn OFF.

08 Set ignition to OFF position.

OFF ACC ON START

09 Remote Programming Procedure completed.

>> To program an additional remote as second vehicle mode: Follow steps 1 to 4. Press twice [2x] on the ¨F¨ button then press once [1x] on the LOCK button of the remote. Follow steps 6 to 9.

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>> NOTE: In Valet Mode, the Remote starter is not functional. Keyless entry, Lock and Unlock will remain functional. See RF kit user manual for alternate valet mode programming.

01 Time restriction. Complete next step within 7 seconds.

02 Cycle ignition ON twice [2x OFF/ON] rapidly.

03 Press and release the BRAKE pedal three times [3x].

04 Parking Light will flash once [1x] then will flash twice [2x].
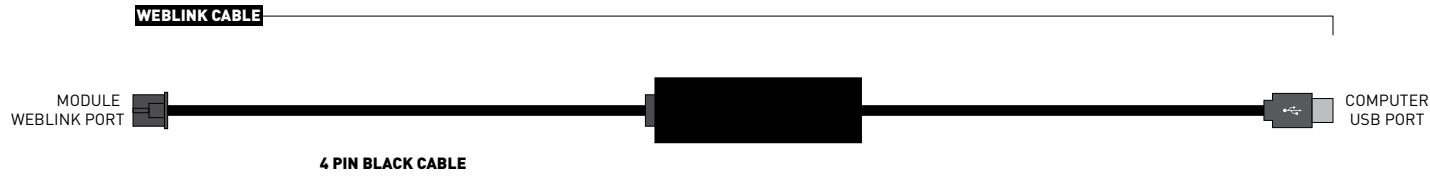
05 Set ignition to OFF position.
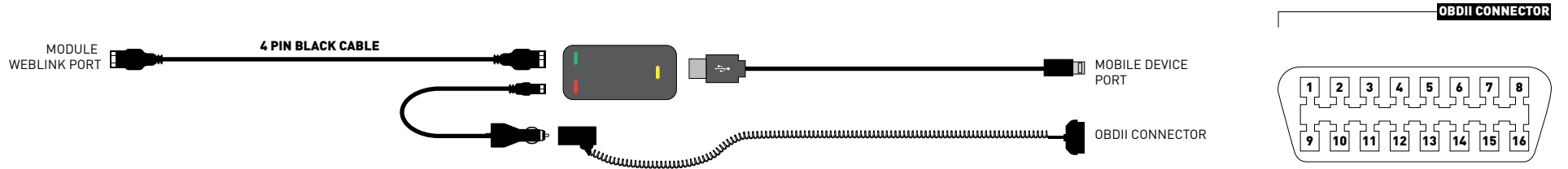
06 Valet Mode Programming Procedure completed.

>> To exit valet mode: repeat steps 1 to 5.

WEBLINK CABLE (required accessory sold separately)

WEBLINK CABLE

MODULE
WEBLINK PORT

COMPUTER
USB PORT

4 PIN BLACK CABLE

WEBLINK MOBILE (accessory sold separately)

MODULE
WEBLINK PORT

4 PIN BLACK CABLE

MOBILE DEVICE
PORT

OBDII CONNECTOR

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

TELEMATIC KIT (accessory sold separately)

MODULE
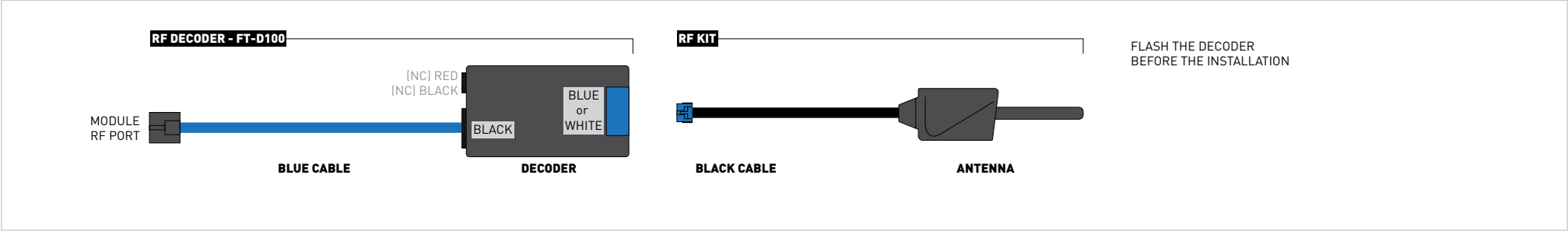TELEMATIC BLUE PORT

(NC)
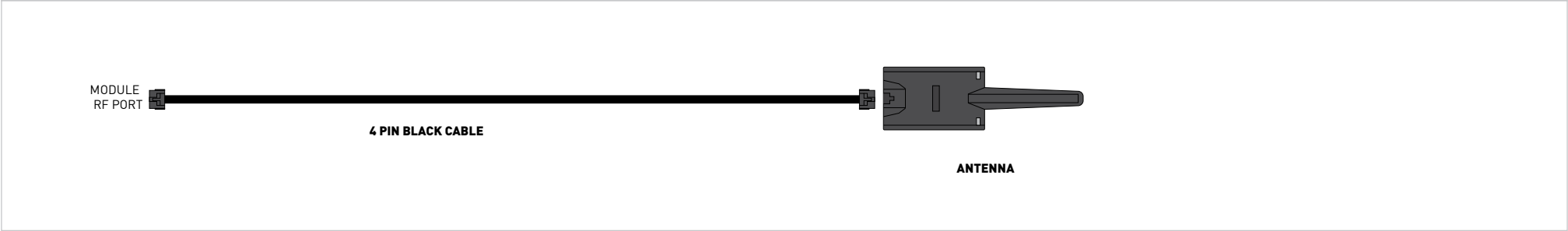
*For SmartStart, use the module's RED Telematic port.

RF DECODER (included with the VWXF) RF KIT (sold separately)

RF DECODER - FT-D100

(NC) RED
(NC) BLACK

BLACK

BLUE or WHITE

MODULE RF PORT

BLUE CABLE

DECODER

RF KIT

BLACK CABLE

ANTENNA

FLASH THE DECODER BEFORE THE INSTALLATION

RF KIT (included with the VWX1 & VWX2)

MODULE RF PORT

4 PIN BLACK CABLE

ANTENNA

WEB PROGRAMMABLE MENUS	DESCRIPTION
MENU 1 – Remote Starter	RS related configuration options
MENU 2 – Doorlock Options	Convenience feature configuration options
MENU 3 – Security Options	Alarm activation and settings
MENU 4 – AUX function assignments	Set transmitter AUX buttons controls
MENU 5 – Programmable outputs (POC)	Set actions for programmable outputs
MENU 6 – Pulse Timer Output Configuration (PTO)	Set duration for pulse timer outputs (if used)
MENU 7 – Input Configurations	Set inputs for Auto by firmware/Data/Analog
MENU 8 – Output Configurations	Set outputs for Auto by firmware/Data/Analog

Programming options are avaible through Weblink and Weblink Mobile only.

	TEST MODULE	LED 1 STATUS	DIAGNOSTIC
I	DURING MODULE PROGRAMMING	Flashing RED	Missing/wrong information from firmware or vehicle.
		Solid RED	Module waiting for more vehicle information.
		Flashing GREEN	Additional steps required to complete module programming.
		Solid GREEN then OFF	Module correctly programmed.
		OFF	No activity or module already programmed.
II	DURING TACH PROGRAMMING	1 GREEN flash	Tach signal programmed in Analog
		2 GREEN flashes	Tach signal programmed in Data
		3 RED flashes	No tach signal detected
		4 RED flashes	System is in valet mode
		5 RED flashes	Tach set for 'VTS'. No tach programming required
		6 RED flashes	Tach set for 'assumed start'. No tach programming required
III	DURING REMOTE START	Flashing RED	Module incorrectly programmed.
		Solid RED	Module incorrectly programmed.
		Flashing GREEN	Module correctly programmed and operational.
		Solid GREEN then OFF	Reset in progress.
		OFF	Invalid ground when running status from remote starter.
IV	WITH IGNITION OFF	Flashing RED	Module incorrectly programmed or connected.
		Solid RED	Module not programmed. Waiting for more vehicle information.
		Flashing GREEN	False ground when running status from remote starter.
		Solid GREEN then OFF	Reset in progress.
		OFF	Module at rest and ready for a remote start sequence.

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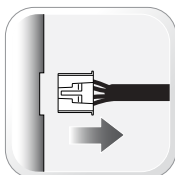| REMOTE STARTER ERROR CODES: NOTES	[X] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	01	Engine running.
	02	Key in ignition at ON position.
II After a remote starter failure, the parking lights will flash three [3x] times, then will flash [X] number times to indicate an error code. See table.	03	Door is open.
	04	Trunk is open.
	05	Foot brake is ON.
	06	Hood is open.
	07	The reservation is OFF. (Manual transmission only)
	08	Tach failure.
	09	The vehicle is moving (VSS).
	10	System is in Valet Mode.
	11	CAN communication failure
	12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	13	Bypass problem.

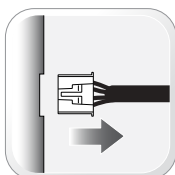| REMOTE STARTER SHUTDOWN ERROR CODES: NOTES	[Y] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	01	Engine tach signal is lost.
	02	Emergency brake is lost.
II If the engine shuts down after a remote starter sequence: Press and hold the Trunk button and the Start button at the same time for 2.5 seconds when using a 1-WAY remote. OR Press once [1x] on button "4" when using a 2-WAY remote.	03	Foot brake is ON.
	04	Hood is open.
	05	Engine RPM limiter is ON.
	06	Glow plug timeout error.
	07	Vehicle is moving (VSS).
	08	N/A
	09	N/A
The parking lights will flash four [4x] times, then will flash [Y] number times to indicate an error code. See table.	10	Door is open.
	11	CAN communication failure during RS sequence.
	12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	13	Takeover is not allowed.
	14	Shutdown error, board overheat protection.

>> The following procedure resets the module programming to the vehicle. It does not reset any settings configured online.

01 Disconnect all connectors from module except the M1 BLACK 8-pin connector and the M4 BLACK 20-pin connector.

02 Disconnect the M1 BLACK 8-pin connector and the M4 BLACK 20-pin connector.
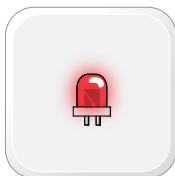
03 PRESS AND HOLD the module's programming button while connecting the M1 BLACK 8-pin connector and the M4 BLACK 20-pin connector.

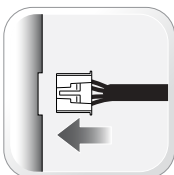**04** Wait, LED 1 will flash RED. RELEASE programming button.

05 LED 1 will turn RED for 2 seconds.

06 Module RESET completed.

07 Reconnect all connectors.

08 Repeat programming procedure.

>> Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
    (1) This device may not cause harmful interference.and
    (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

IC Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject
to the following two conditions:
    (1) This device may not cause interference, and
    (2) This device must accept any interference, including interference that may cause
undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada .
Son fonctionnement est soumis aux deux conditions suivantes :
    (1) Ce dispositif ne peut causer d'interférences ,et
    (2) Ce dispositif doit accepter toute interférence , y compris les interférences
qui peuvent causer un mauvais fonctionnement de l'appareil.