FLASHLOGIC™

INSTALL GUIDE
FLC-GM(RS)-GM10-[FLRSGM10]-EN

DOCUMENT NUMBER
38693

REVISION DATE
20170427

FIRMWARE
FLC-GM(RS)-GM10-[FLRSGM10]

HARDWARE
FLRSGM10

ACCESSORIES
FLPROG (REQUIRED)
FLRF1/2/4 (OPTIONAL)
CARLINK ASCL2 (OPTIONAL)

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.

BEFORE INSTALLATION
1- Connect module to computer
2- Login to Weblink account
3- Flash firmware to module (module is not preloaded with firmware)
4- Use accessories accordingly (accessories are sold separately)

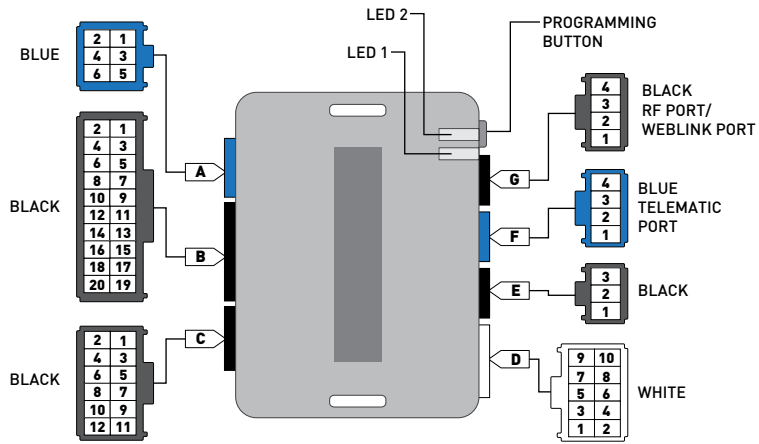| MAKE	MODEL	YEAR	INSTALL TYPE	DATA IMMOBILIZER BYPASS	3X LOCK START/STANDALONE MOD.	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	PRIORITY UNLOCK	TRUNK/HATCH RELEASE*	TAILGATE WINDOW RELEASE	HEATED SEATS CTRL	PUDDLE LIGHT CTRL**	TACHOMETER OUTPUT	DOOR STATUS OUTPUT	HOOD STATUS OUTPUT*	TRUNK STATUS OUTPUT	BRAKE PEDAL STATUS OUTPUT	RAP SHUTDOWN CTRL
BUICK	Enclave STD key AT	08-17	1	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•
BUICK	Lucerne STD key AT	06-11	1	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•
CADILLAC	CTS STD key AT	08-14	1	•	•	•	•	•	•	•	•			•	•	•	•	CTS	•	•
CADILLAC	DTS STD key AT	06-11	1	•	•	•	•	•	•	•	•			•	•	•	•	DTS	•	•
CADILLAC	Escalade / ESV / Hybrid STD key AT	07-14	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CADILLAC	Escalade EXT STD key AT	07-13	1	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•
CADILLAC	SRX STD key AT	07-09	2	•	•	•	•	•	•	•	•		•	•	•	•	•	SRX	•	•
CHEVROLET	Avalanche STD key AT	07-13	1	•	•	•	•	•	•	•	•		•	•	•	•	•	•		•
CHEVROLET	Caprice STD key AT	11-13	1	•	•	•	•	•	•	•	•		•	•	•	•	•	Caprice	•	•
CHEVROLET	Captiva Sport STD key AT	08-15	2	•	•	•	•	•	•	•				•	•	•	•	•	•	•
CHEVROLET	Equinox STD key AT	07-09	1	•	•	•	•	•	•	•				•	•	•	•	•	•	•
CHEVROLET	Express STD key AT	08-17	1	•	•	•	•	•	•	•	•			•	•	•	•	•	•	
CHEVROLET	Impala STD key AT	06-13	1	•	•	•	•	•	•	•	•			•	•	•	•	Impala	•	
CHEVROLET	Impala limited STD key AT	13-16	1	•	•	•	•	•	•	•	•			•	•	•	•	•	•	
CHEVROLET	Monte Carlo STD key AT	06-09	1	•	•	•	•	•	•	•	•			•	•	•	•	•	•	
CHEVROLET	Silverado / Hybrid STD key AT	07-13	1	•	•	•	•	•	•	•			•	•	•	•	•	•	•	
CHEVROLET	Silverado / Hybrid Premium Package STD key AT	07-13	1	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•
CHEVROLET	Suburban STD key AT	07-14	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CHEVROLET	Tahoe / Hybrid STD key AT	07-14	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CHEVROLET	Traverse STD key AT	09-17	1	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•
CHEVROLET	Traverse with Auto Up/Down Windows STD key AT	09-17	1	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•

* If equiped
** If activated in vehicle settings

MAKE	MODEL	YEAR	INSTALL TYPE	DATA IMMOBILIZER BYPASS	3X LOCK REMOTE START	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	PRIORITY UNLOCK	TRUNK/HATCH RELEASE*	TAILGATE WINDOW RELEASE	HEATED SEATS CTRL	PUDDLE LIGHT CTRL**	TACHOMETER OUTPUT	DOOR STATUS OUTPUT	HOOD STATUS OUTPUT*	TRUNK STATUS OUTPUT	BRAKE PEDAL STATUS OUTPUT	RAP SHUTDOWN CTRL
GMC	Acadia STD key AT	07-16	1	•	•	•	•	•	•	•				•	•	•	•	•	•	
	Acadia with Auto Up/Down Windows STD key AT	07-16	1	•	•	•	•	•	•	•				•	•	•	•	•	•	•
	Acadia limited STD key AT	17	1	•	•	•	•	•	•	•				•	•	•	•	•	•	•
	Savana STD key AT	08-17	1	•	•	•	•	•	•	•					•	•		•	•	
	Sierra STD key AT	07-13	1	•	•	•	•	•	•	•			•	•	•	•		•	•	
	Sierra Premium Package STD key AT	07-13	1	•	•	•	•	•	•	•			•	•	•	•		•	•	•
	Yukon / XL / Denali / Hybrid STD key AT	07-14	1	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
HUMMER	H2 STD key AT	08-09	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PONTIAC	G8 STD key AT	08-09	1	•	•	•	•	•	•	•	•				•	•		•	•	
	Torrent STD key AT	07-09	1	•	•	•	•	•	•	•				•	•	•		•	•	
SATURN	Outlook STD key AT	07-10	1	•	•	•	•	•	•	•				•	•	•		•	•	
	Outlook with Auto Up/Down Windows STD key AT	07-10	1	•	•	•	•	•	•	•				•	•	•		•	•	•
	Vue / Hybrid STD key AT	08-10	2	•	•	•	•	•	•	•				•	•	•		•	•	
SUZUKI	XL7 STD key AT	07-09	1	•	•	•	•	•	•	•				•	•	•		•	•	

*   If equiped
** If activated in vehicle settings

FLASHLOGIC™

BOX CONTENTS

MODULE

BLUE

2	1
4	3
6	5

BLACK

2	1
4	3
6	5
8	7
10	9
12	11
14	13
16	15
18	17
20	19

BLACK

2	1
4	3
6	5
8	7
10	9
12	11

A
B
C

LED 2
LED 1
PROGRAMMING BUTTON

G — BLACK RF PORT/ WEBLINK PORT

| 4 |
| 3 |
| 2 |
| 1 |

F — BLUE TELEMATIC PORT

| 4 |
| 3 |
| 2 |
| 1 |

E — BLACK

| 3 |
| 2 |
| 1 |

D — WHITE

9	10
7	8
5	6
3	4
1	2

T-HARNESS 1

MS2
MS1

VS3
VS4
VS1
VS2
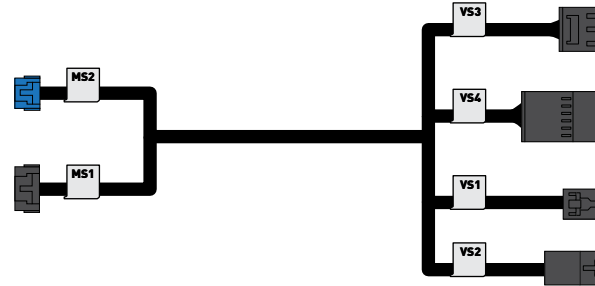
10 PIN CONNECTOR

12 PIN CONNECTOR
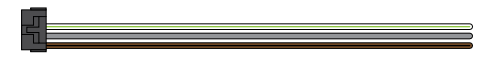
AFTERMARKET HOOD SWITCH AND CABLE

WARNING STICKER

WARNING!
THIS VEHICLE IS EQUIPPED WITH A REMOTE STARTER
DISABLE PRIOR TO VEHICLE MAINTENANCE
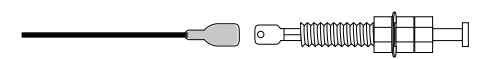
WEBLINK CABLE (required accessory sold separately)

WEBLINK CABLE

MODULE WEBLINK PORT

COMPUTER USB PORT

4 PIN BLACK CABLE

FLASHLOGIC™

RF KIT (accessories sold separately)

FLRF1/2/4 RF KIT

MODULE
RF PORT

(NC)

ANTENNA

TELEMATIC KIT (accessories sold separately)

FLHRNTM

CARLINK

MODULE
TELEMATIC PORT

(NC)

TELEMATIC KIT (accessories sold separately)

FLHRNTM

PN 4120260

CAR CONNECTION

OBDII CONNECTOR

MODULE
TELEMATIC PORT

(NC)

VEHICLE
OBDII PORT

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
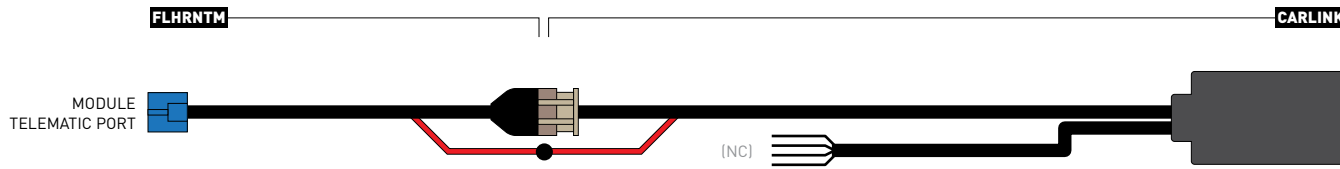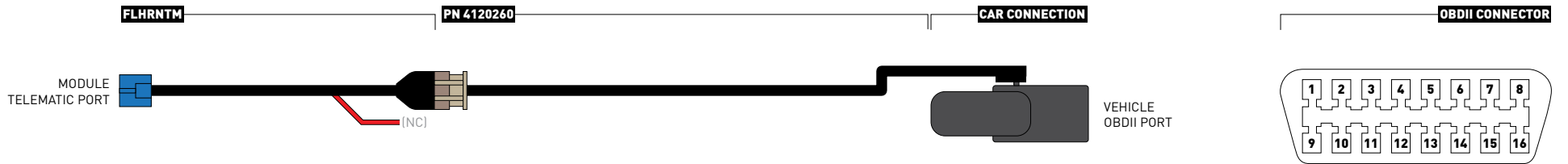
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
BUICK	Enclave	08-17	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Lucerne	06-11	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue/Tan	(-)	At headlight switch	~
CADILLAC	CTS	08-14	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	DTS	06-11	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Escalade / ESV / Hybrid	07-14	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Escalade EXT	07-13	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
CHEVROLET	Avalanche	07-13	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Caprice	11-13	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Equinox	07-09	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Express	08-17	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Impala	06-13	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Impala limited	13-16	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Monte Carlo	06-09	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Silverado / Hybrid	07-13	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Silverado / Hybrid Premium Package	07-13	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Suburban	07-14	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Tahoe / Hybrid	07-14	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Traverse	09-17	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
CHEVY	Traverse with Auto Up/Down Windows	09-17	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
GMC	Acadia	07-16	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Acadia with Auto Up/Down Windows	07-16	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Acadia limited	17	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Savana	08-17	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Sierra	07-13	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Sierra Premium Package	07-13	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
	Yukon / XL / Denali / Hybrid	07-14	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
HUMMER	H2	08-09	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
PONTIAC	G8	08-09	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Torrent	07-09	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
SATURN	Outlook	07-10	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
	Outlook with Auto Up/Down Windows	07-10	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~
SUZUKI	XL7	07-09	Driver Door Pin	~	~	~	~	Gray/Black	(-)	Driver kick panel	~
			Parking Light	~	~	~	~	Brown/White	(-)	At headlight switch	~

FLASHLOGIC

MODULE

A
B
C

G RF PORT/WEBLINK PORT
F TELEMATIC PORT
E
D

VEHICLE IGNITION SWITCH

VS3 — A1 — IGNITION CONNECTOR
VS4 — A2 — IGNITION HARNESS
VS1 — B1 — PK3 CONNECTOR
VS2 — B2 — PK3 HARNESS

A

2	1
4	3
6	5

MS2

B

2	1
4	3
6	5
8	7
10	9
12	11
14	13
16	15
18	17
20	19

MS1

B1

A1

C

VEHICLE

2	1
4	3
6	5
8	7
10	9
12	11

01 BROWN/BLACK - PARKING LIGHT (-) OUTPUT ————————————— PARKING LIGHT (-)
02 GRAY - RAP SHUTDOWN (-) OUTPUT ————— CONNECT IF NOT SUPPORTED BY DATA ————— DRIVER DOOR PIN (-)
———————— OPTIONAL ———————— HORN (-)
11 GRAY/GREEN - HORN (-) OUTPUT

D

2	1
4	3
6	5
8	7
10	9

04 GRAY/WHITE - HOOD STATUS (-) INPUT

**WITHOUT OEM HOOD SWITCH:
INSTALL AND CONNECT TO
AFTERMARKET HOOD SWITCH**

AFTERMARKET HOOD SWITCH (-)

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
CADILLAC	SRX STD key	07-09	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
			Ignition	~	Green	06 pin	02	Pink	(+)	Ignition connector	~
			Passlock	~	Green	06 pin	05	White	(+)	Ignition connector	~
CHEVROLET	Captiva Sport 4cyl / Hybrid STD key	08-15	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
			Ignition	~	Black	06 pin	01	Pink	(+)	Ignition connector	~
			Passlock	~	Black	06 pin	05	White/Black	(+)	Ignition connector	~
	Captiva Sport 6cyl STD key	08-15	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
			Ignition	~	Green	06 pin	03	Pink	(+)	Ignition connector	~
			Passlock	~	Green	06 pin	04	White/Black	(+)	Ignition connector	~
SATURN	Vue 4cyl / Hybrid STD key	08-10	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
			Ignition	~	Black	06 pin	01	Pink	(+)	Ignition connector	~
			Passlock	~	Black	06 pin	05	White/Black	(+)	Ignition connector	~
	Vue 6cyl STD key	08-10	Driver Door Pin	~	~	~	~	~	~	Do not connect. Supported by data	~
			Parking Light	~	~	~	~	LtBlue	(-)	At headlight switch	~
			Ignition	~	Green	06 pin	03	Pink	(+)	Ignition connector	~
			Passlock	~	Green	06 pin	04	White/Black	(+)	Ignition connector	~

MODULE

A — G RF PORT/WEBLINK PORT
B — F TELEMATIC PORT
C — E
— D

CUT CONNECTOR FROM HARNESS

VS3
PINK — IGNITION (+)
YELLOW — PASSLOCK (+)

A1

VEHICLE IGNITION SWITCH

1 2 3 4 5 6

IGNITION CONNECTOR

REFER TO WIRE CHART FOR WIRE COLOR AND LOCATION

VS4 (NC)

A
MS2
2 1
4 3
6 5

B

VS1 — B1

PK3 CONNECTOR

VS2 — B2

PK3 HARNESS

MS1
2 1
4 3
6 5
8 7
10 9
12 11
14 13
16 15
18 17
20 19

B1

A1

C

VEHICLE

2 1
4 3
6 5
8 7
10 9
12 11

01 BROWN/BLACK - PARKING LIGHT (–) OUTPUT — PARKING LIGHT (–)
02 GRAY - RAP SHUTDOWN (–) OUTPUT — CONNECT IF NOT SUPPORTED BY DATA — DRIVER DOOR PIN (–)
OPTIONAL — HORN (–)
11 GRAY/GREEN - HORN (–) OUTPUT

D

2 1
4 3
6 5
8 7
10 9

04 GRAY/WHITE - HOOD STATUS (–) INPUT

WITHOUT OEM HOOD SWITCH: INSTALL AND CONNECT TO AFTERMARKET HOOD SWITCH

AFTERMARKET HOOD SWITCH (–)

U.S. Patent No. 8,856,780
Automotive Data Solutions Inc. © 2017

FLC-GM(RS)-GM10-[FLRSGM10]-EN

www.flashlogic.com

01 Close driver door.

02 Re-open driver door to wake up data bus.

03 Insert key into ignition.

04 Turn key to ACC position.

05 Wait, LED 1 will turn solid RED.

06 Turn key to ON position.

07 Wait, LED 1 will turn solid GREEN for 2 seconds. (This may take up to 1 minute.)

08 Turn key to OFF position.

09 Module Programming Procedure completed.

>> 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 five times [5x OFF/ON] rapidly.

03 Wait, LED 1 will turn solid RED for 2 seconds.

04 Set ignition to OFF position.

05 Valet Mode Programming Procedure completed.
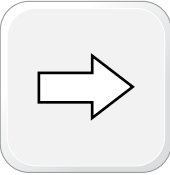
>> To exit valet mode: repeat steps 1 to 5.

AFTERMARKET REMOTE PROGRAMMING: NOTES	
I All aftermarket remotes must be programmed to the RF-Kit. Refer to the RF-Kit user guide for aftermarket remote features and programming procedures.	
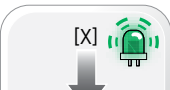
>> It is mandatory to exit the Module Navigation at the end of this procedure. Failure to exit the Module Navigation will drain vehicle battery. To exit the Module Navigation at any time: Follow STEP 13.

>> Module must be programmed to the vehicle.

>> Use the Module Navigation Chart on the next page.

01 Set ignition to OFF position.

02 TO ACCESS THE MENUS: Press and hold programming button until LED 1 turns solid GREEN.

03 IN THE MENUS: Press the programming button as many times as the menu number indicates. LED 1 will flash GREEN an equal amount of times continuously.

04 TO ACCESS THE OPTIONS: Press and hold programming button until LED 1 turns solid RED.
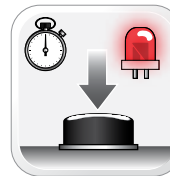
05 IN THE OPTIONS: Press the programming button as many times as the option number indicates. LED 1 will flash RED an equal amount of times continuously.
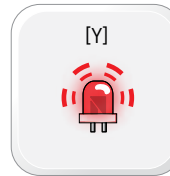
06 TO ACCESS THE SETTINGS: Press and hold programming button until LED 1 turns solid GREEN.

07 LED 1 will flash GREEN as many times as the current (or default) setting number, continuously.

08 IN THE SETTINGS: Press the programming button as many times as necessary to access your setting. LED 1 will flash GREEN an equal amount of times continuously.
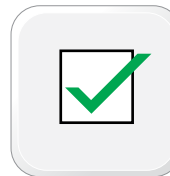
09 To return to the MENUS: exit the Module Navigation and redo the Module Navigation Procedure.

10 To save and return to the OPTIONS: Press and hold programming button until LED 1 turns solid RED.

11 LED 1 will flash RED as many times as the current option number continuously.

12 Configure every other setting and proceed to step 13.

13 MANDATORY: EXIT MODULE NAVIGATION. Press and hold programming button for 7 seconds. LED 1 will flash RED rapidly. Release programming button. LED 1 will turn OFF.

14 Module navigation completed.

>> Failure to exit the Module Navigation will drain vehicle battery.

FLASHLOGIC™

MODULE NAVIGATION CHART: NOTES	[X] MENUS		[Y] OPTIONS		[Z] SETTINGS	
I Default settings are listed in bold.			01	DISARM/UNLOCK BEFORE START	**01**	**OFF**
II Make sure the option is covered on the vehicle before attempting to change the setting.					02	ON
			02	RELOCK AFTER START	**01**	**OFF**
					02	ON
			03	RELOCK AFTER SHUTDOWN	**01**	**OFF**
					02	ON
			04	FORCE UNLOCK ALL ON FIRST PRESS	**01**	**OFF**
					02	ON
			05	TAKEOVER	**01**	**ENABLE**
					02	DISABLE*
			06	N/A	01	N/A
			07	FACTORY KEYLESS RS SEQUENCE	01	DISABLE
					02	N/A
					03	LOCK + UNLOCK + LOCK
					04	**LOCK + LOCK + LOCK**
	01	CONFIGURATION	08	MODULE RUN TIME	01	03 MIN
					02	05 MIN
					03	10 MIN
					04	15 MIN
					05	25 MIN
					06	30 MIN
					07	35 MIN
					08	**15 MIN**
			09	WAIT TO START DELAY	**01**	**02 SEC**
					02	05 SEC
					03	08 SEC
					04	10 SEC
					05	15 SEC
					06	20 SEC
					07	25 SEC
					08	30 SEC
			10	N/A	01	N/A
			11	N/A	01	N/A
			12	N/A	01	N/A
			13	N/A	01	N/A

*Vehicle will shutdown when a door is opened.

MODULE NAVIGATION CHART: NOTES	[X] MENUS		[Y] OPTIONS		[Z] SETTINGS	
	01	CONFIGURATION	14	HORN EVENT TRIGGER	**01**	**DOUBLE LOCK**
					02	LOCK + UNLOCK
					03	LOCK + UNLOCK + START
					04	DOUBLE LOCK + START
			15	HORN CHIRPS WIDTH	**01**	**30 mSEC**
					02	15 mSec
					03	60 mSec
	02-07	Technical Support only	01	N/A	01	N/A

*Vehicle will shutdown when a door is opened.

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. II After a remote starter failure, the parking lights will flash [X] number times to indicate an error code. See table.	03	Foot brake is ON.
	04	Hood is open.
	05	Engine tach signal is lost.
	06	System is in Valet Mode.
	07	Vehicle is moving (VSS).
	08	Glow plug timeout error.
	09	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	10	N/A
	11	N/A
	12	N/A
	13	N/A
	14	N/A
	15	N/A
	16	CAN communication failure during RS sequence.

	TEST MODULE	LED 1 STATUS	DIAGNOSTIC
I	DURING 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 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.
III	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.

01 Disconnect all connectors from module except the BLACK 20-PIN connector.
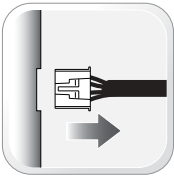
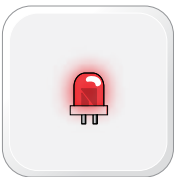**02** Disconnect the BLACK 20-PIN connector.
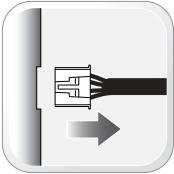
03 PRESS AND HOLD the module's programming button while connecting the BLACK 20-PIN connector.

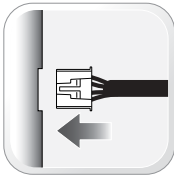**04** Wait, LED 1 will flash RED. RELEASE programming button.

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.

CHECKLIST

1	WARNING: Vehicle engine will start many times. Test in a well ventilated area.
2	Close all vehicle doors, hood and trunk.
3	Press the LOCK button once [1x] on the aftermarket keyfob.
☐	**Question 1:** Do the doors lock? YES: Go to next step.
☐	NO: Verify the remote programming, the RF connections and the wired door lock/unlock connections as illustrated in the wiring diagram, if applicable. Repeat the test and call technical support, if the problem persists.
4	Press the UNLOCK button once [1x] on the aftermarket keyfob.
☐	**Question 2:** Do the doors unlock? YES: Go to next step.
☐	NO: Verify the remote programming, the RF connections and the wired door lock/unlock connections as illustrated in the wiring diagram, if applicable. Repeat the test and call technical support, if the problem persists.
5	Press the TRUNK release button once [1x] on the aftermarket keyfob if supported.
☐	**Question 3:** Does the trunk or hatch open/unlock? YES: Close trunk or hatch and go to next step.
☐	NO: Verify the remote programming, the RF connections and the wired trunk/hatch connections as illustrated in the wiring diagram, if applicable. Repeat the test and call technical support, if the problem persists.
6	Press the AUX 1 button once [1x] on the aftermarket keyfob if supported.
☐	**Question 4:** Does the driver side sliding door open? YES: Press the AUX 1 button once [1x] to close the driver sliding door and go to next step.
☐	NO: Verify the remote programming and the RF connections. Repeat the test and call technical support, if the problem persists.
7	Press the AUX 2 button once [1x] on the aftermarket keyfob if supported.
☐	**Question 5:** Does the passenger side sliding door open? YES: Press the AUX 2 button once [1x] to close the passenger sliding door and go to next step.
☐	NO: Verify the remote programming and the RF connections. Repeat the test and call technical support, if the problem persists.
8	Press the START/STOP button once [1x] on the aftermarket keyfob to remote start vehicle.
☐	**Question 6:** Does the vehicle remote start? YES: Go to next step.
☐	NO: Verify the remote programming, the RF connections and check the remote start error codes. Repeat the test and call technical support, if the problem persists.
9	Press the START/STOP button once [1x] on the aftermarket keyfob to shut down vehicle.
☐	**Question 7:** Does the vehicle shut down? YES: Go to next step.
☐	NO: Repeat step. If problem persists, press the brake pedal once [1x] to shut down the vehicle and call technical support.
10	RAP and auto light shutdown test
☐	**Question 8:** Did the radio, interior controls and headlights turn off within 60 seconds after remote start shutdown? YES: Go to next step.
☐	NO: Verify the RAP SHUTDOWN connections as illustrated in the wiring diagram. Repeat the test and call technical support if the problem persists.
11	Open hood.
12	If not already installed, affix the mandatory orange warning sticker under the hood and proceed to next step.
13	Press the START/STOP button once [1x] on the aftermarket keyfob to remote start vehicle.
☐	**Question 9:** Does the vehicle remote start? YES: The vehicle is not equipped with a factory hood pin. Install a mandatory aftermarket hood switch, then repeat the test.
☐	NO: Go to next step.
14	Close hood.
15	Enter vehicle and close the doors.
16	Press the START/STOP button once [1x] on the aftermarket keyfob to remote start vehicle.
17	Wait for the vehicle to start.
18	Press brake pedal.
☐	**Question 10:** Does the vehicle shut down? YES: Go to next step.
☐	NO: The module does NOT detect the brake pedal signal. Press the START/STOP button once [1x] on the aftermarket keyfob to shut down vehicle, check connection as illustrated in the wiring diagram, if applicable, and call technical support.
19	Exit vehicle.
20	Installation checklist completed.