iDataStart™

INSTALL GUIDE
DIR-IDS(RS)-BZ3-[ADS-BZ3]-EN

DOCUMENT NUMBER
14324

REVISION DATE
20140314

FIRMWARE
DIR-IDS(RS)-BZ3-[ADS-BZ3]

HARDWARE
ADS-BZ3

ACCESSORIES
ADS-USB (REQUIRED)
DIRECTED XL-202 RF-KIT & ADS-HRN(RS)-XL02 (OPTIONAL)
DIRECTED SMARTSTART & ADS-HRN(RS)-SM01 (OPTIONAL)
ADS-TOOLS-MB01 (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)

ADS AUTOMOTIVE DATA SOLUTIONS

NOTES

I   This firmware covers Automatic Transmission (AT) vehicles only.

II All the covered Push To Start (PTS) vehicles are equipped with a keyless authorization system called "Keyless Go".

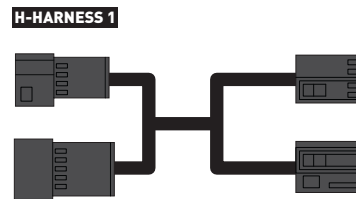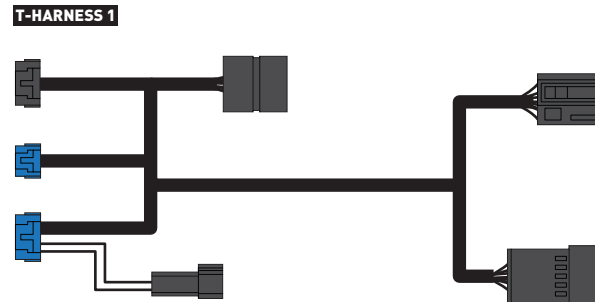| MAKE	MODEL	YEAR	INSTALL TYPE	REMOTE START FROM OEM REMOTES	SECURE TAKEOVER	DATA IMMOBILIZER BYPASS	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	PRIORITY UNLOCK	TRUNK/HATCH RELEASE	POWER LIFTGATE	PARKING LIGHT CTRL	HEATED SEATS CTRL	VENTILATED SEATS CTRL	RAP SHUTDOWN CTRL	TACHOMETER STATUS MONITORING	BRAKE PEDAL STATUS MONITORING	VSS STATUS MONITORING	GLOW PLUG STATUS MONITORING	DOOR STATUS MONITORING	TRUNK STATUS MONITORING	HOOD STATUS MONITORING*
MERCEDES-BENZ	C-Class AMG Coupe PTS AT	12-14	2	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	C-Class AMG Coupe STD key AT	12-14	1	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	C-Class AMG Sedan PTS AT	08-14	2	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	C-Class AMG Sedan STD key AT	08-14	1	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	C-Class Coupe PTS AT	12-14	2	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	C-Class Coupe STD key AT	12-14	1	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	C-Class Sedan PTS AT	08-14	2	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	C-Class Sedan STD key AT	08-14	1	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	CLS-Class AMG Sedan PTS AT	12-13	4	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	CLS-Class AMG Sedan STD key AT	12-13	3	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	CLS-Class Sedan PTS AT	12-13	4	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	CLS-Class Sedan STD key AT	12-13	3	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class AMG Sedan PTS AT	10-13	4	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class AMG Sedan STD key AT	10-13	3	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class AMG Wagon PTS AT	10-13	4	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class AMG Wagon STD key AT	10-13	3	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class Coupe PTS AT	10-13	2	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class Coupe STD key AT	10-13	1	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class Sedan Diesel PTS AT	10-13	4	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
	E-Class Sedan Diesel STD key AT	10-13	3	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
	E-Class Sedan PTS AT	10-13	4	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class Sedan STD key AT	10-13	3	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class Wagon PTS AT	10-13	4	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•
	E-Class Wagon STD key AT	10-13	3	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•	•

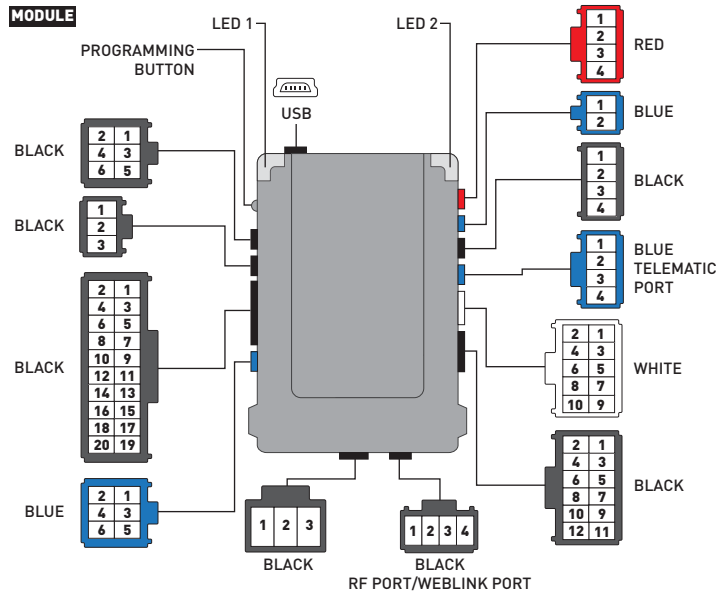* If equipped with a factory hood switch.

NOTES

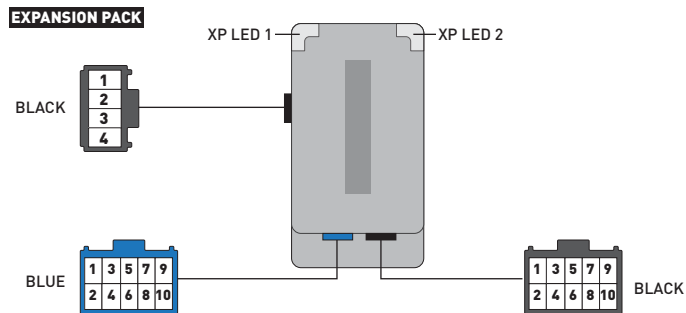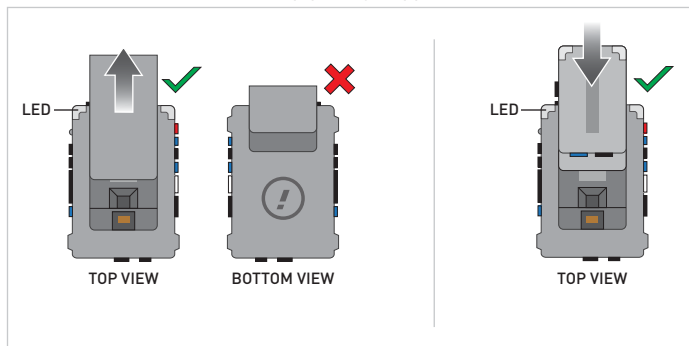I This firmware covers Automatic Transmission (AT) vehicles only.

II All the covered Push To Start (PTS) vehicles are equipped with a keyless authorization system called "Keyless Go".

MAKE	MODEL	YEAR	INSTALL TYPE	REMOTE START FROM OEM REMOTES	SECURE TAKEOVER	DATA IMMOBILIZER BYPASS	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	PRIORITY UNLOCK	TRUNK/HATCH RELEASE	POWER LIFTGATE	PARKING LIGHT CTRL	HEATED SEATS CTRL	VENTILATED SEATS CTRL	RAP SHUTDOWN CTRL	TACHOMETER STATUS MONITORING	BRAKE PEDAL STATUS MONITORING	VSS STATUS MONITORING	GLOW PLUG STATUS MONITORING	DOOR STATUS MONITORING	TRUNK STATUS MONITORING	HOOD STATUS MONITORING*
MERCEDES-BENZ	GLK-Class Diesel PTS AT	09-12	2	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•
	GLK-Class Diesel PTS AT	13-14	4	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•
	GLK-Class Diesel STD key AT	09-12	1	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•
	GLK-Class Diesel STD key AT	13-14	3	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•
	GLK-Class PTS AT	09-12	2	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•
	GLK-Class PTS AT	13-14	4	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•
	GLK-Class STD key AT	09-12	1	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•
	GLK-Class STD key AT	13-14	3	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•
	SLK-Class AMG PTS AT	12-13	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
	SLK-Class AMG STD key AT	12-13	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
	SLK-Class PTS AT	12-13	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
	SLK-Class STD key AT	12-13	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•

* If equipped with a factory hood switch.

BOX CONTENTS

MODULE

LED 1

LED 2

PROGRAMMING BUTTON

USB

RED
1 2 3 4

BLUE
1 2

BLACK
1 2 3 4

BLUE TELEMATIC PORT
1 2 3 4

BLACK
2 1 / 4 3 / 6 5

BLACK
1 2 3

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

WHITE
2 1 / 4 3 / 6 5 / 8 7 / 10 9

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

BLUE
2 1 / 4 3 / 6 5

BLACK
1 2 3

BLACK
1 2 3 4
RF PORT/WEBLINK PORT

T-HARNESS 1

H-HARNESS 1

EXPANSION PACK ASSEMBLY

LED

TOP VIEW

BOTTOM VIEW

LED

TOP VIEW

EXPANSION PACK

XP LED 1

XP LED 2

BLACK
1 2 3 4

BLUE
1 3 5 7 9 / 2 4 6 8 10

BLACK
1 3 5 7 9 / 2 4 6 8 10

10 PIN WHITE CONNECTOR

12 PIN BLACK CONNECTOR

AFTERMARKET HOOD SWITCH AND CABLE

2 PIN BLACK CONNECTOR

EXTRA CONNECTOR HOUSING

STICKER 1

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

STICKER 2

THIS VEHICLE IS EQUIPPED WITH A REMOTE STARTER
TECHNICAL INFORMATION XXX.XXX.XXXX RENSEIGNEMENTS TECHNIQUES
CE VÉHICULE EST ÉQUIPÉ D'UN DÉMARREUR À DISTANCE

WEBLINK CABLE (required accessory sold separately)

WEBLINK CABLE

MODULE WEBLINK PORT

COMPUTER USB PORT

4 PIN BLACK CABLE

ELECTRONIC IGNITION SWITCH REMOVAL TOOL (accessory sold separately)

IGNITION SWITCH
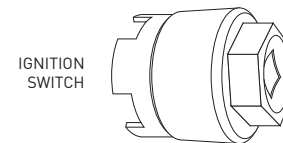
ADS-TOOLS-MB01 OR
MERCEDEZ BENZ P/N 639 589 01 07 00

RF KIT (accessories sold separately)

ADS-HRN(RS)-XL02

DIRECTED XL202 RF KIT

MODULE
RF PORT

XL202 RF DECODER

XL202 ANTENNA
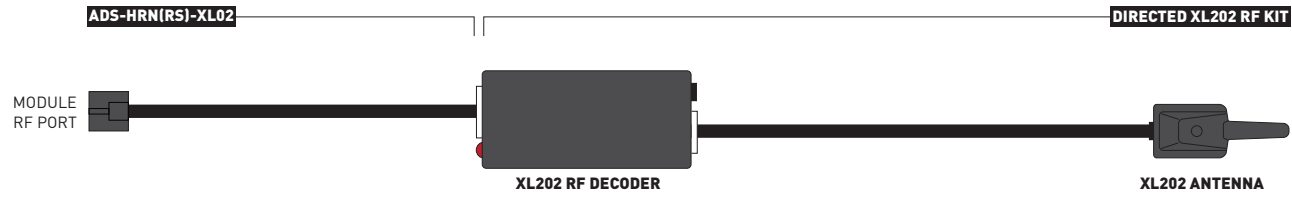
TELEMATIC KIT (accessories sold separately)

ADS-HRN(RS)-SM01

DIRECTED SMARTSTART

MODULE
TELEMATIC PORT

(NC)

(NC)

(NC)
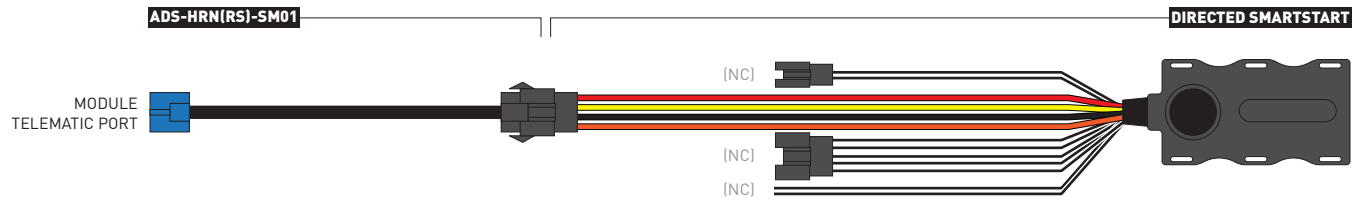
IMPORTANT	INSTALL VIDEO GALLERY AVAILABLE ONLINE
	Before installing this product, consult our Install Video Gallery and watch: • Vehicle Disassembly Procedure videos • Module Connection Procedures videos • Module Programming Procedures videos Simply visit our forum and register at http://www.12voltdata.com/forum/viewtopic.php?f=340&t=9683&sid=a61772b486e4584ad6f058b171ffa425
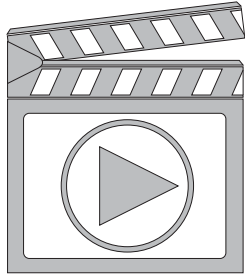
INTERIOR VIEW

A
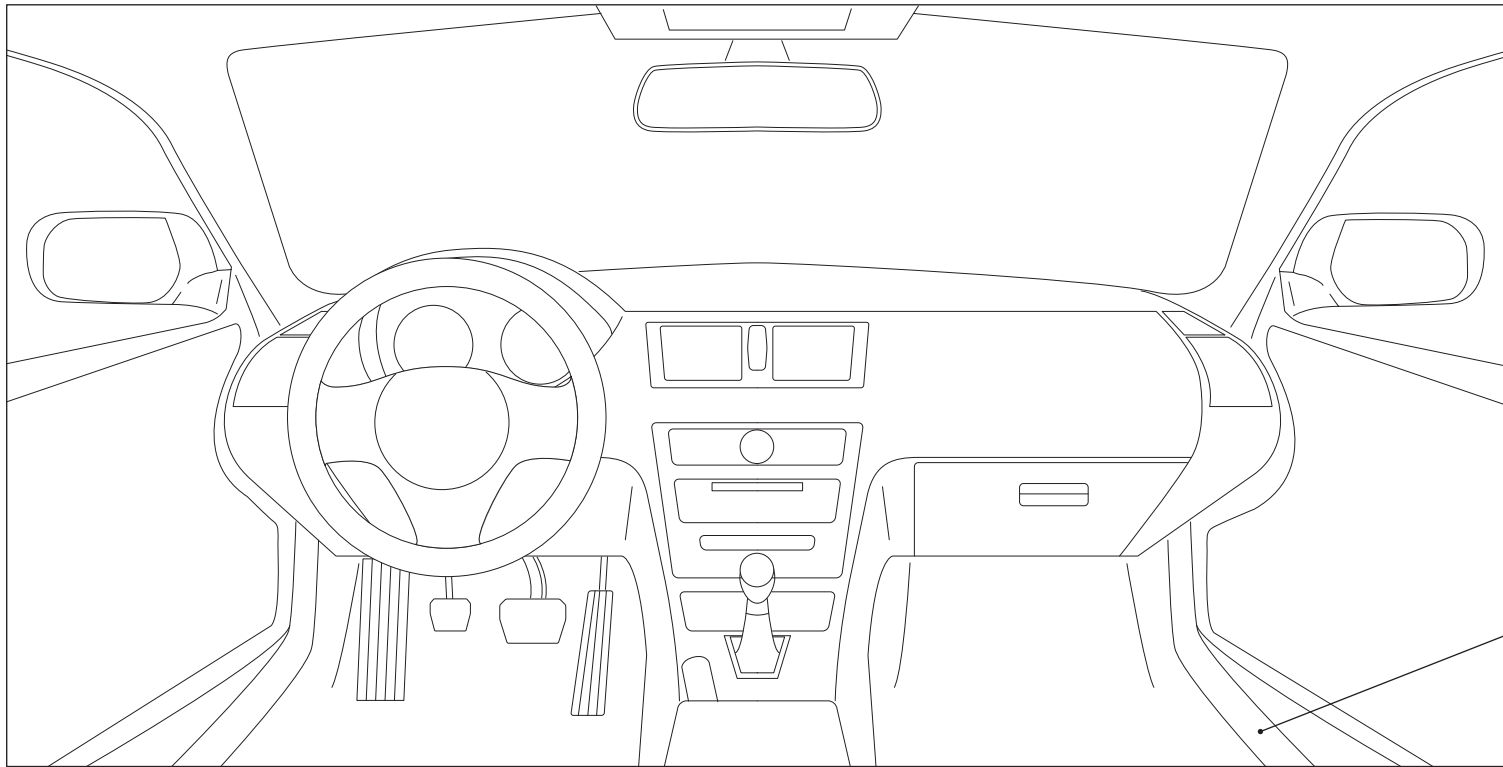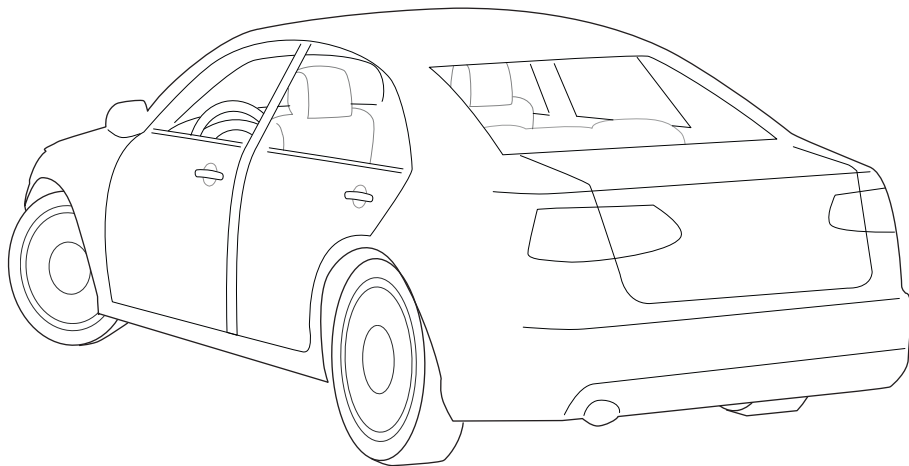
DRIVER SIDE VIEW

PASSENGER SIDE VIEW

DIR-IDS(RS)-BZ3-[ADS-BZ3]-EN
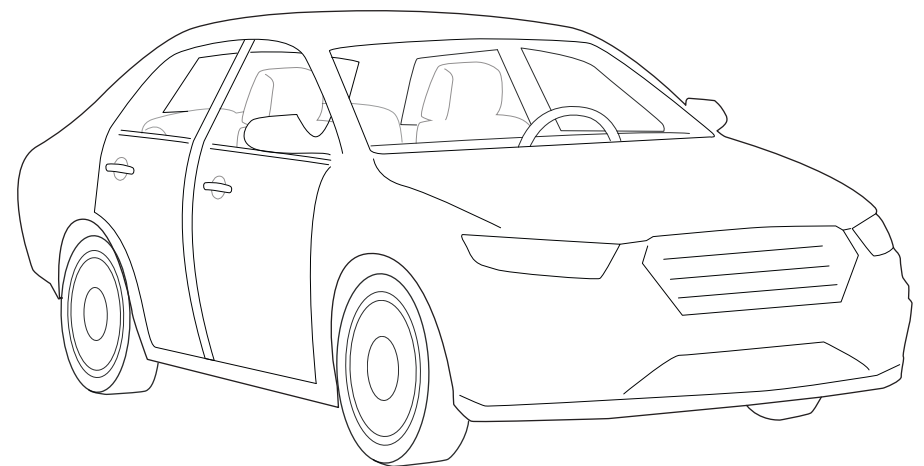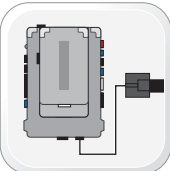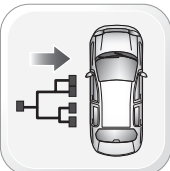
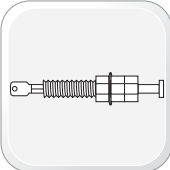**01** START the vehicle. Verify all vehicle functionalities. If the vehicle displays error messages or any malfunction: stop the installation and service the vehicle.

02 Turn OFF the vehicle.

03 Verify all keyfob functionalities (Door Lock, Door Unlock, Trunk Release and RFID access if equipped).

04 Insert the expansion pack in the module.

05 Connect the module to the computer with the programming cable (WEBLINK port). Flash the module with the latest firmware then flash the expansion pack.

06 Connect and secure every connector to the vehicle, as shown in STEP 1 of the WIRING DIAGRAM.
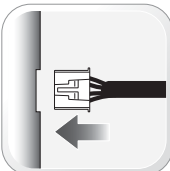
07 WARNING: Any vehicle harness that is disconnected during installation, must be re-connected before performing any system tests. Failure to comply will result in vehicle displaying error messages. An OEM scantool will be required to clear the error messages.

08 START the vehicle. Verify all vehicle functionalities.
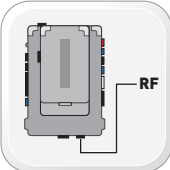
09 WARNING: If the vehicle displays error messages or any malfunction, stop the installation, verify every connection and if the problem persists, call technical support.

10 Turn OFF the vehicle.

11 Connect every connector to the module, as shown in STEP 2 of the WIRING DIAGRAM.

12 Connect every other connector to the module, as shown in STEP 3 of the WIRING DIAGRAM.

13 If the vehicle is not equipped with a factory hood switch, install an aftermarket hood switch as shown in STEP 4 of the WIRING DIAGRAM.

14 If required, connect a compatible RF Kit to the RF port of the module.
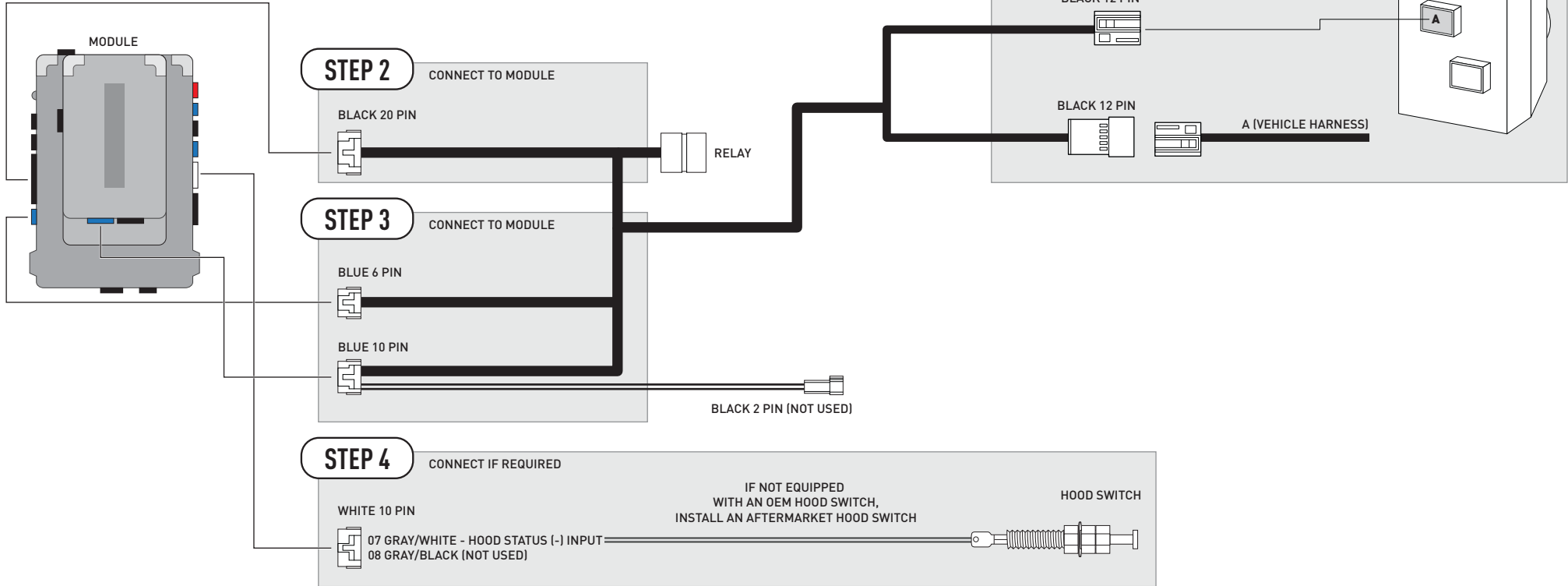
15 If required, connect a compatible Telematics Device to the TELEMATIC port of the module.

16 Put sticker 1 on a clean and visible surface in the engine bay and put sticker 2 under the dashboard near the OBDII connector.
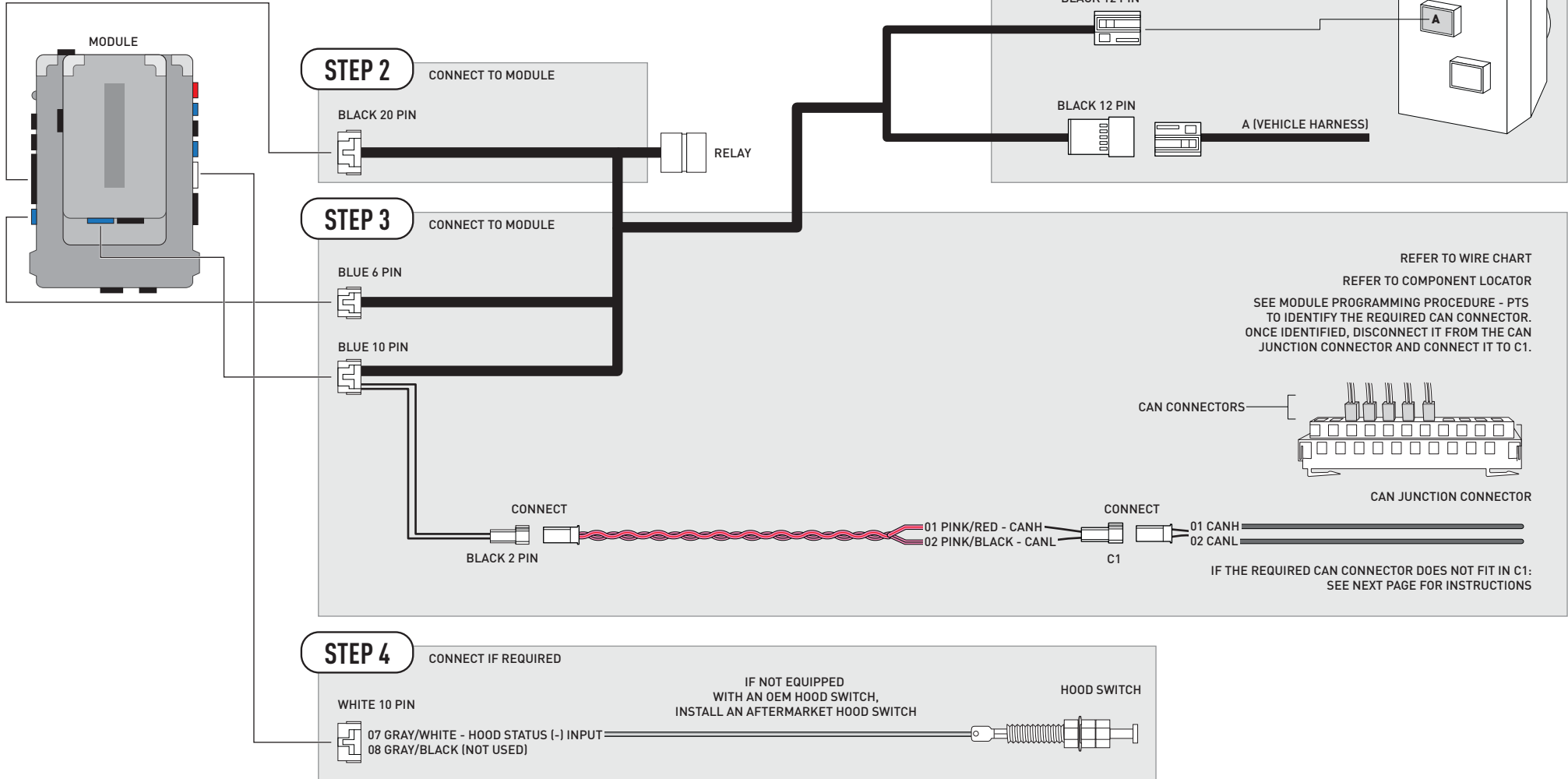
17 Module installation procedure completed.

WARNING

1-TO CONNECT THE MODULE: FOLLOW STEPS 1 TO 4
2-TO DISCONNECT THE MODULE: FOLLOW STEPS 4 TO 1

MODULE

STEP 1 CONNECT TO VEHICLE
START VEHICLE WITH OEM KEYFOB TO TEST CONNECTIONS

IGNITION SWITCH

BLACK 12 PIN

A

BLACK 12 PIN

A (VEHICLE HARNESS)

STEP 2 CONNECT TO MODULE

BLACK 20 PIN

RELAY

STEP 3 CONNECT TO MODULE

BLUE 6 PIN

BLUE 10 PIN

BLACK 2 PIN (NOT USED)

STEP 4 CONNECT IF REQUIRED

WHITE 10 PIN

IF NOT EQUIPPED
WITH AN OEM HOOD SWITCH,
INSTALL AN AFTERMARKET HOOD SWITCH

HOOD SWITCH

07 GRAY/WHITE - HOOD STATUS (-) INPUT
08 GRAY/BLACK (NOT USED)

![idatastart logo]

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
MERCEDES-BENZ	C-Class AMG Coupe PTS AT	12-14	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	C-Class AMG Sedan PTS AT	08-14	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	C-Class Sedan PTS AT	12-14	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	C-Class Coupe PTS AT	08-14	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	E-Class Coupe PTS AT	10-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	GLK-Class Diesel PTS AT	09-12	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	GLK-Class PTS AT	09-12	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	SLK-Class AMG PTS AT	12-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	SLK-Class PTS AT	12-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A

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WARNING

1-TO CONNECT THE MODULE: FOLLOW STEPS 1 TO 4
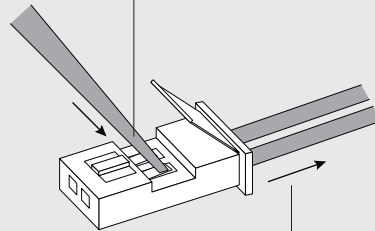2-TO DISCONNECT THE MODULE: FOLLOW STEPS 4 TO 1

STEP 1

CONNECT TO VEHICLE
START VEHICLE WITH OEM KEYFOB TO TEST CONNECTIONS

IGNITION SWITCH

BLACK 12 PIN

A

BLACK 12 PIN

A (VEHICLE HARNESS)

MODULE

STEP 2

CONNECT TO MODULE

BLACK 20 PIN

RELAY

STEP 3

CONNECT TO MODULE

BLUE 6 PIN

BLUE 10 PIN

REFER TO WIRE CHART

REFER TO COMPONENT LOCATOR

SEE MODULE PROGRAMMING PROCEDURE - PTS
TO IDENTIFY THE REQUIRED CAN CONNECTOR.
ONCE IDENTIFIED, DISCONNECT IT FROM THE CAN
JUNCTION CONNECTOR AND CONNECT IT TO C1.

CAN CONNECTORS

CAN JUNCTION CONNECTOR

CONNECT

01 PINK/RED - CANH
02 PINK/BLACK - CANL

BLACK 2 PIN

CONNECT

01 CANH
02 CANL

C1

IF THE REQUIRED CAN CONNECTOR DOES NOT FIT IN C1:
SEE NEXT PAGE FOR INSTRUCTIONS

STEP 4

CONNECT IF REQUIRED

WHITE 10 PIN

IF NOT EQUIPPED
WITH AN OEM HOOD SWITCH,
INSTALL AN AFTERMARKET HOOD SWITCH

HOOD SWITCH

07 GRAY/WHITE - HOOD STATUS (-) INPUT
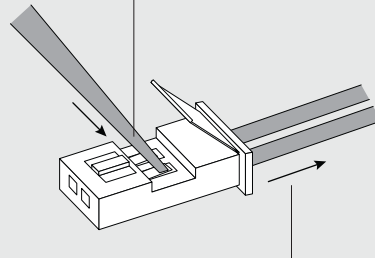08 GRAY/BLACK (NOT USED)

INSTRUCTIONS TO CHANGE THE HOUSING OF CAN WIRES
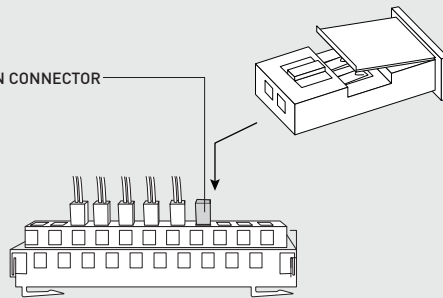(ONLY IF THE CAN CONNECTOR DOES NOT FIT IN C1)

1- RELEASE RETAINING CLIP OF CAN CONNECTOR.

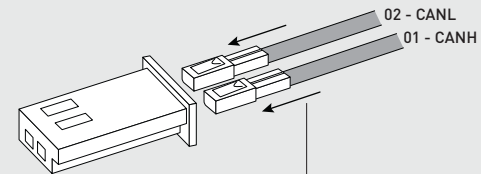2- RELEASE LOCKING MECHANISM.
REMOVE CAN WIRES FROM HOUSING.

3- INSERT EMPTY HOUSING IN CAN JUNCTION CONNECTOR
(TO AVOID LOSING IT).

02 - CANL
01 - CANH

4- INSERT CAN WIRES IN PROVIDED HOUSING.
CONNECT IT WITH C1 HARNESS,
AS SHOWN IN WIRING DIAGRAM.

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WARNING

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2-TO DISCONNECT THE MODULE: FOLLOW STEPS 4 TO 1

STEP 1 CONNECT TO VEHICLE
START VEHICLE WITH OEM KEYFOB TO TEST CONNECTIONS

BLACK 8 PIN   B (VEHICLE HARNESS)

BLACK 8 PIN   IGNITION SWITCH

BLACK 12 PIN   BLACK 12 PIN

A   B

BLACK 12 PIN   A (VEHICLE HARNESS)

MODULE

STEP 2 CONNECT TO MODULE

BLACK 20 PIN   RELAY

STEP 3 CONNECT TO MODULE

BLUE 6 PIN

BLUE 10 PIN

BLACK 2 PIN (NOT USED)

STEP 4 CONNECT IF REQUIRED

IF NOT EQUIPPED
WITH AN OEM HOOD SWITCH,
INSTALL AN AFTERMARKET HOOD SWITCH   HOOD SWITCH

WHITE 10 PIN

07 GRAY/WHITE - HOOD STATUS (-) INPUT
08 GRAY/BLACK (NOT USED)

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			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	CLS-Class Sedan PTS AT	12-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	E-Class AMG Sedan PTS AT	10-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	E-Class AMG Wagon PTS AT	10-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	E-Class Sedan Diesel PTS AT	10-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	E-Class Sedan PTS AT	10-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	E-Class Wagon PTS AT	10-13	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	GLK-Class Diesel PTS AT	13-14	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A
	GLK-Class PTS AT	13-14	CanH	~	Black	02 pin	01	Brown/Red	(DATA)	Front door jamb, passenger side	A
			CanL	~	Black	02 pin	02	Brown	(DATA)	Front door jamb, passenger side	A

WARNING

1-TO CONNECT THE MODULE: FOLLOW STEPS 1 TO 4
2-TO DISCONNECT THE MODULE: FOLLOW STEPS 4 TO 1

MODULE

STEP 1 CONNECT TO VEHICLE
START VEHICLE WITH OEM KEYFOB TO TEST CONNECTIONS

BLACK 8 PIN — B (VEHICLE HARNESS)

BLACK 8 PIN

IGNITION SWITCH

BLACK 12 PIN

BLACK 12 PIN

A   B

BLACK 12 PIN — A (VEHICLE HARNESS)

STEP 2 CONNECT TO MODULE

BLACK 20 PIN

RELAY

STEP 3 CONNECT TO MODULE

BLUE 6 PIN

BLUE 10 PIN

REFER TO WIRE CHART

REFER TO COMPONENT LOCATOR

SEE MODULE PROGRAMMING PROCEDURE - PTS
TO IDENTIFY THE REQUIRED CAN CONNECTOR.
ONCE IDENTIFIED, DISCONNECT IT FROM THE CAN
JUNCTION CONNECTOR AND CONNECT IT TO C1.

CAN CONNECTORS

CAN JUNCTION CONNECTOR

CONNECT

BLACK 2 PIN

01 PINK/RED - CANH
02 PINK/BLACK - CANL

CONNECT

01 CANH
02 CANL

C1

IF THE REQUIRED CAN CONNECTOR DOES NOT FIT IN C1:
SEE NEXT PAGE FOR INSTRUCTIONS

STEP 4 CONNECT IF REQUIRED

WHITE 10 PIN

IF NOT EQUIPPED
WITH AN OEM HOOD SWITCH,
INSTALL AN AFTERMARKET HOOD SWITCH

HOOD SWITCH

07 GRAY/WHITE - HOOD STATUS (-) INPUT
08 GRAY/BLACK (NOT USED)

INSTRUCTIONS TO CHANGE THE HOUSING OF CAN WIRES
(ONLY IF THE CAN CONNECTOR DOES NOT FIT IN C1)

1- RELEASE RETAINING CLIP OF CAN CONNECTOR.

2- RELEASE LOCKING MECHANISM.
REMOVE CAN WIRES FROM HOUSING.

3- INSERT EMPTY HOUSING IN CAN JUNCTION CONNECTOR
(TO AVOID LOSING IT).

02 - CANL
01 - CANH

4- INSERT CAN WIRES IN PROVIDED HOUSING.
CONNECT IT WITH C1 HARNESS,
AS SHOWN IN WIRING DIAGRAM.

01 LED 1 is solid RED. Insert key into ignition.

02 Turn key to ON position.

03 Wait, LED 1 will turn solid GREEN then will turn OFF.

>> WARNING: If LED 1 flashes RED/GREEN, turn ignition to OFF position. The vehicle is PTS. Follow appropriate PTS sections.

04 START vehicle for 15 seconds. LED 1 will turn solid RED.

05 Wait, LED 1 will turn solid GREEN then will turn OFF.

06 Turn key to OFF position. Remove key from ignition.

07 Module Programming Procedure completed.

>> One of the connectors of the CAN junction connector controls the keyless authorization system (Keyless Go). The following procedure will allow the module to identify the required CAN connector.

>> Have the CAN junction connector accessible. Identify every CAN connector whose CanH and CanL wires match the colors listed in the WIRE CHART.

01 LED 1 is solid RED. Push start button to ON position.

02 Wait, LED 1 will flash RED/GREEN.

03 Disconnect the first connector of the CAN junction connector whose CanH and CanL wires match the colors listed in the WIRE CHART. Wait 5 seconds.

>> If the parking lights flash, the required connector is found. Connect it to the C1 connector as shown in the WIRING DIAGRAM and go to step 5.

>> If the parking lights do NOT flash, the required connector is NOT found. Reconnect it to the CAN junction connector and repeat step 4 with another connector.

04 Wait, LED 1 will turn solid GREEN then will turn OFF.

05 START vehicle for 15 seconds. LED 1 will turn solid RED.

06 Wait, LED 1 will turn solid GREEN then will turn OFF.

07 Push start button to OFF position.

08 Module Programming Procedure completed.

	CHECKLIST
01	WARNING: Vehicle engine will start many times. Test in a well ventillated area.
02	Open driver door window for easy vehicle access.
03	Enter vehicle. Start the vehicle and let it run for 15 seconds.
04	Stop the vehicle and exit vehicle.
05	Close all vehicle doors, hood and trunk.
06	Press LOCK button three times [3x] rapidly on the OEM keyfob to remote start vehicle.
	QUESTION 1: Does the vehicle remote start?
☐	YES: Go to step 7.
☐	NO: The module doesn't detect OEM remote lock button from the vehicle communication network. Check all connections, repeat step 6 and call technical support if the problem persists.
07	Press LOCK button three times [3x] rapidly on the OEM keyfob to shut down vehicle.
	QUESTION 2: Does the vehicle shut down?
☐	YES: Go to step 8.
☐	NO: Repeat step 7. If the problem persists, unlock the door using the OEM keyfob, enter vehicle and press brake pedal to shut down the vehicle and call technical support.
08	Open hood.
	QUESTION 3: Is the orange warning sticker "Sticker 1" placed under the hood?
☐	YES: Leave hood open and go to step 9.
☐	NO: Put the mandatory orange warning sticker "Sticker 1", leave hood open and go to step 9.
09	Close all doors.
10	Press LOCK button three times [3x] rapidly on the OEM keyfob to remote start vehicle.
	QUESTION 4: Does the vehicle remote start?
☐	YES: Press LOCK button three times [3x] rapidly on the OEM keyfob to shut down vehicle. Go to question 5.
☐	NO: Go to step 11.
	QUESTION 5: Is the vehicle equipped with a factory hood switch? (Inside hood latch)
☐	YES: The module does NOT detect the hood signal from the vehicle communication network. Call technical support.
☐	NO: Install the mandatory hood switch included in the kit. Repeat installation checklist.
11	Close hood.
12	Enter vehicle. Do NOT press brake pedal.
13	Close all doors.
14	Press LOCK button three times [3x] rapidly on the OEM keyfob to remote start vehicle.
15	Wait for the vehicle to start.
16	Press brake pedal.
	QUESTION 6: Does the vehicle shut down?
☐	YES: Go to step 17.
☐	NO: The module does NOT detect the brake pedal signal from the vehicle communication network. Press LOCK button three times [3x] rapidly on the OEM keyfob to shut down vehicle and call technical support.

	CHECKLIST
	CHECKLIST
17	Exit vehicle.
18	Close all doors.
19	Press LOCK button three times [3x] rapidly on the OEM keyfob to remote start vehicle.
20	Wait for the vehicle to start.
	QUESTION 7: Is the vehicle equipped with a keyless authorization system (Keyless Go) ?
☐	YES: Touch the exterior driver door handle to unlock door using the keyless authorization system (Keyless Go). Within 45 seconds, go to step 21.
☐	NO: Press UNLOCK button once [1x] on the OEM keyfob. Within 45 seconds, go to step 21.
21	Open driver door.
	QUESTION 8: Does the vehicle shut down?
☐	YES: The module does NOT detect the unlock signal from the vehicle communication network. Call technical support.
☐	NO: Go to step 22.
22	Enter vehicle.
	QUESTION 9: Is the vehicle equipped with a keyless authorization system (Keyless Go) ?
☐	YES: Push vehicle start button once [1x]. Go to step 23.
☐	NO: Insert key into ignition and turn key to ON position. Go to step 23.
23	Press and release brake pedal.
	QUESTION 10: Does the vehicle shut down?
☐	YES: Repeat this procedure from step 3. If the problem persists, call technical support.
☐	NO: Go to step 24.
24	Shut down the vehicle.
25	Installation checklist 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.

>> To exit valet mode: repeat steps 1 to 4 then START vehicle for 15 seconds.

01 Time restriction. Complete next step within 7 seconds.

02 Cycle ignition ON five times [5x OFF/ON] rapidly. Parking Light will flash once [1x].

03 Wait, Parking Light will flash once [1x] to indicate that the valet mode is ON or twice [2x] to indicate that the valet mode is OFF.

04 Turn ignition to OFF position.

05 Valet Mode Programming Procedure completed.

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. [X]

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. [Y]
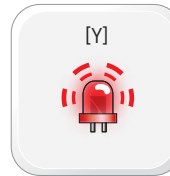
06 TO ACCESS THE SETTINGS: Press and hold programming button until LED 1 turns solid GREEN.

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

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. [Z]
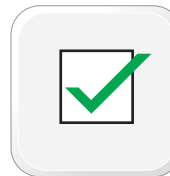
09 To return to the MENUS: exit the Module Navigation and redo the Module Navigation Procedure.

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. [Y]

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.

MODULE NAVIGATION CHART: NOTES	[X] MENUS		[Y] OPTIONS		[Z] SETTINGS	
I Default settings are listed in bold. II Make sure the option is covered on the vehicle before attempting to change the setting.	01	CONFIGURATION	01	DISARM/UNLOCK BEFORE START	01	**OFF**
					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	SECURE TAKEOVER DELAY	01	**45 SEC**
					02	90 SEC
					03	03 MIN
					04	04 MIN
			07	FACTORY KEYLESS RS SEQUENCE	01	DISABLE
					02	N/A
					03	LOCK + UNLOCK + LOCK
					04	**LOCK + LOCK + LOCK**
			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
			10-15	N/A	01	N/A
	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.	03	Foot brake is ON.
	04	Hood is open.
II After a remote starter failure, the parking lights will flash [X] number times to indicate an error code. See table.	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.
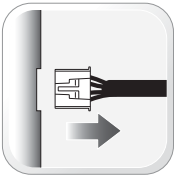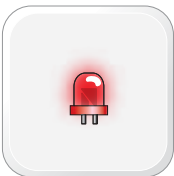
02 Disconnect the BLACK 20-PIN connector.
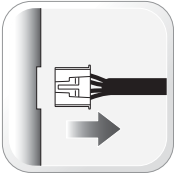
03 PRESS AND HOLD programming button while connecting the BLACK 20-PIN connector.

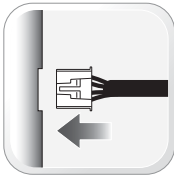**04** Wait, LED 1 will flash RED. RELEASE programming button.

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.