



## INSTALL GUIDE

### DIR-IDS(RS)-BZ1B-[ADS-BZ1]-EN

**DOCUMENT NUMBER**  
15770

**REVISION DATE**  
20140807

**FIRMWARE**  
DIR-IDS(RS)-BZ1B-[ADS-BZ1]

**HARDWARE**  
ADS-BZ1

**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 responsibility 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.

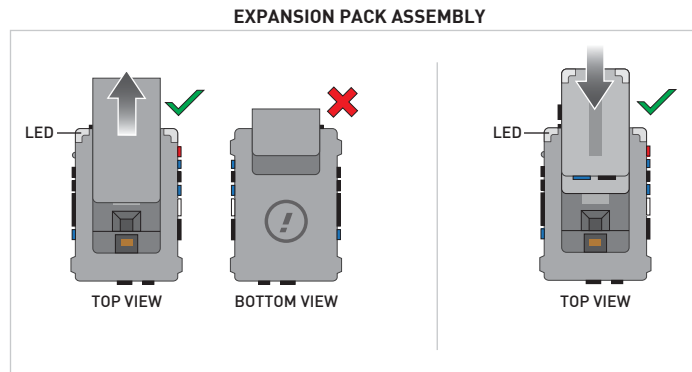
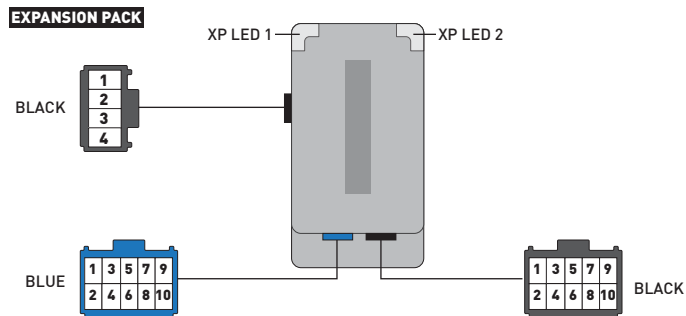
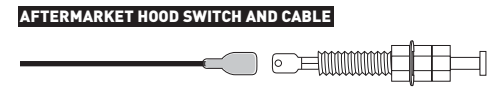
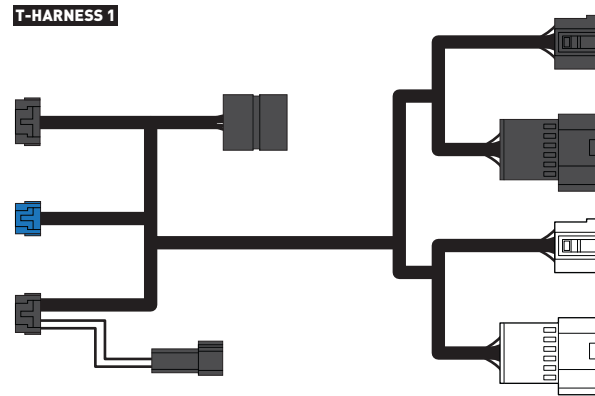
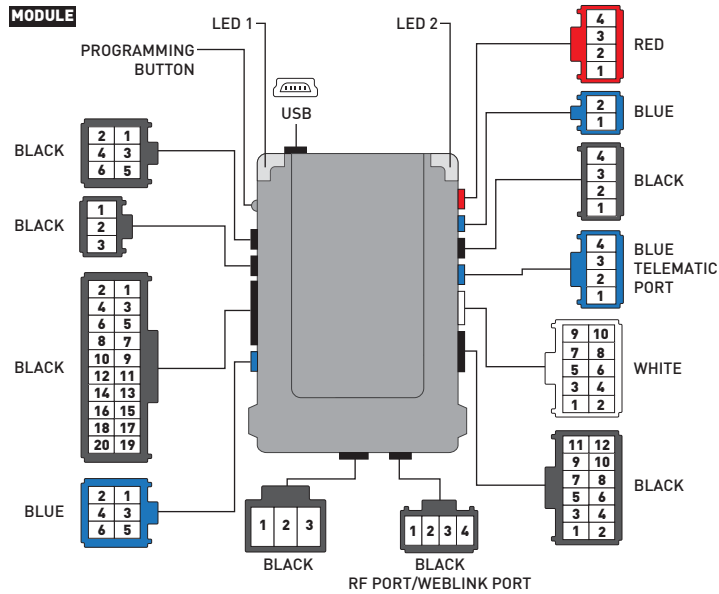


#### **BEFORE INSTALLATION**

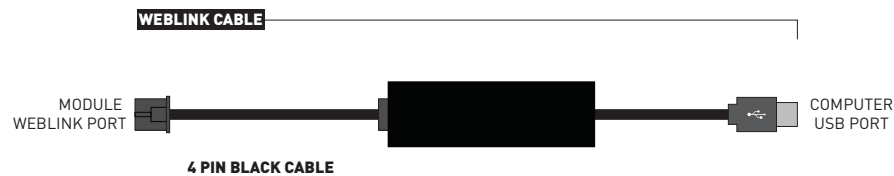
- 1- Connect module to computer
- 2- Login to Weblink account
- 3- Flash firmware to module (module is not preloaded with firmware)
- 4- Use accessories accordingly (accessories are sold separately)



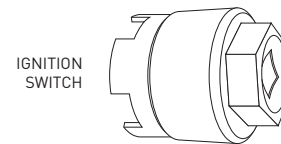
BOX CONTENTS



WEBLINK CABLE (required accessory sold separately)

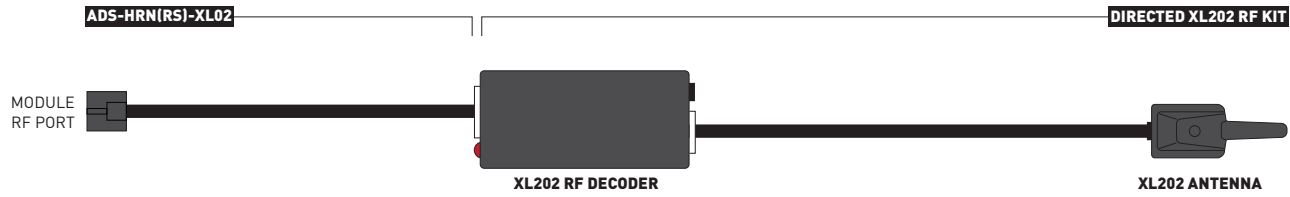


ELECTRONIC IGNITION SWITCH REMOVAL TOOL (accessory sold separately)

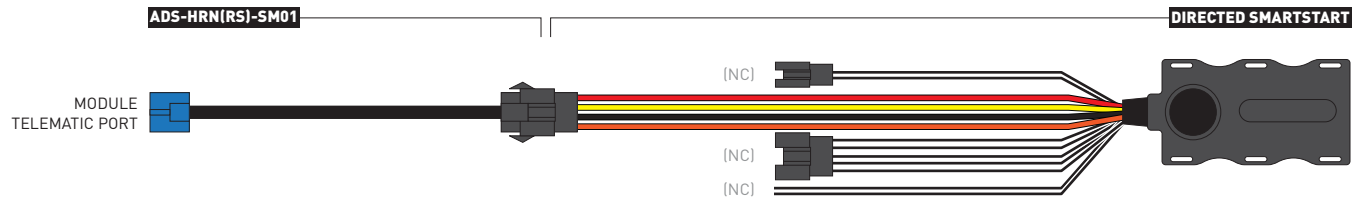


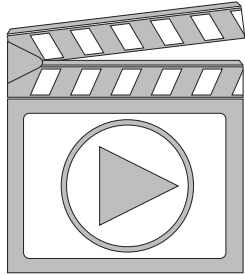
ADS-TOOLS-MB01 OR  
MERCEDES BENZ P/N 639 589 01 07 00

RF KIT (accessories sold separately)



TELEMATIC KIT (accessories sold separately)



**IMPORTANT****INSTALL VIDEO GALLERY AVAILABLE ONLINE**

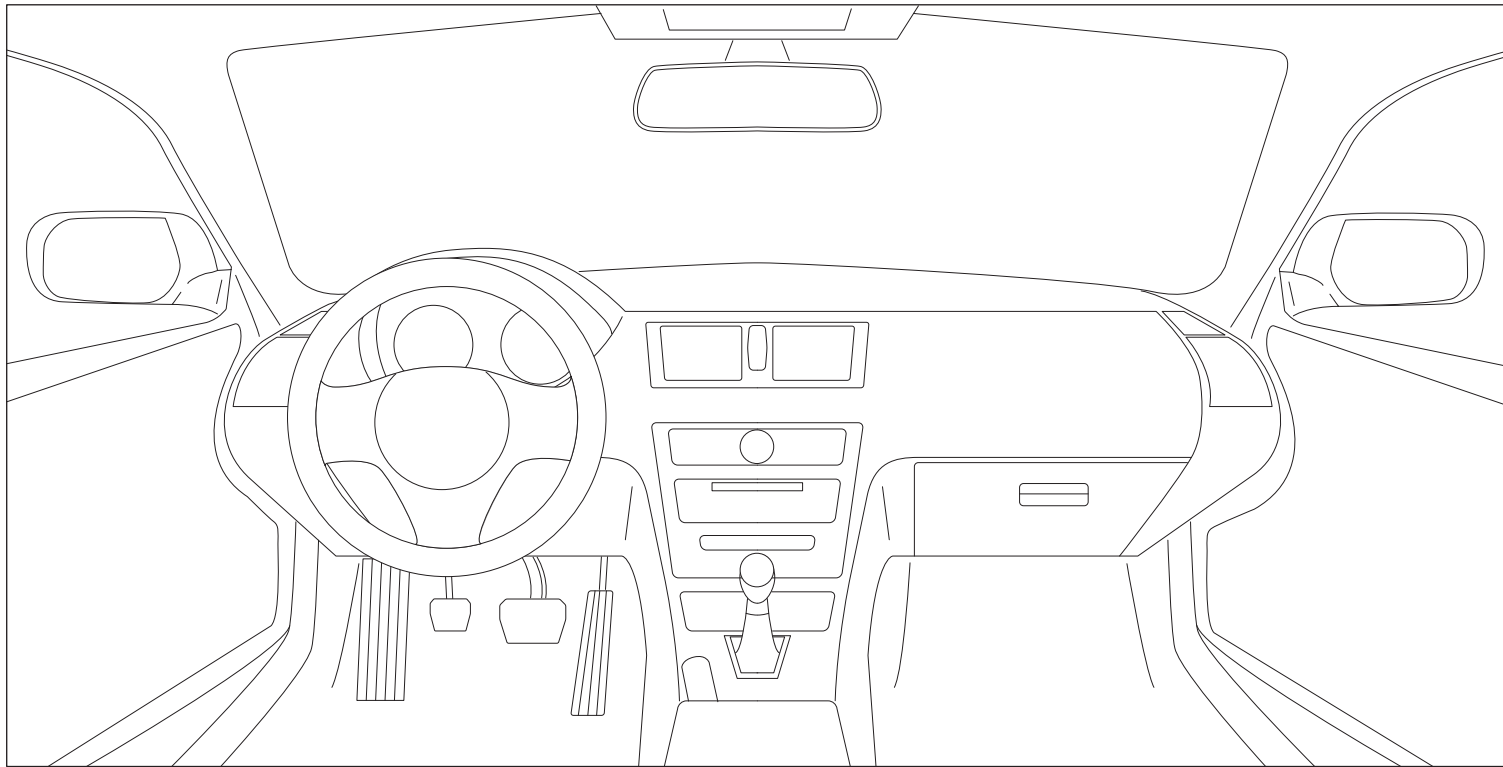
Before installing this product, consult our Install Video Gallery and watch:

- Vehicle Disassembly Procedure videos
- Module Connection Procedures videos
- Module Programming Procedures videos

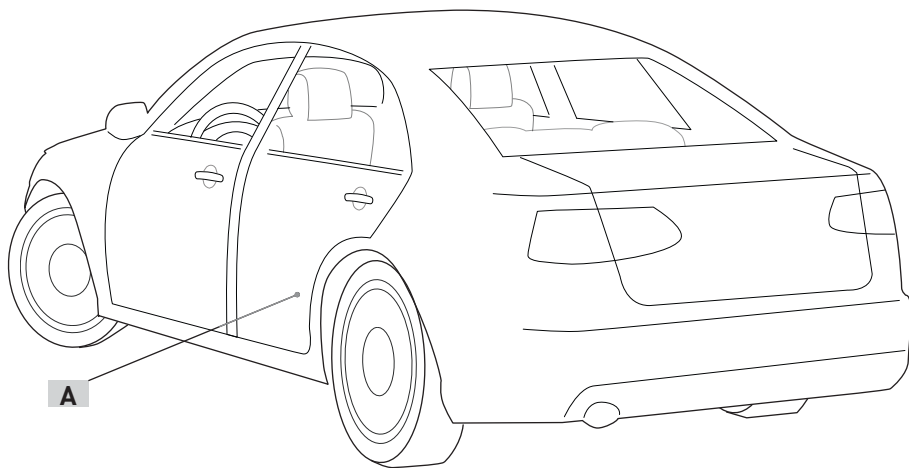
Simply visit our forum and register at

<http://www.12voltdata.com/forum/viewtopic.php?f=340&t=9683&sid=a61772b486e4584ad6f058b171ffa425>

INTERIOR VIEW

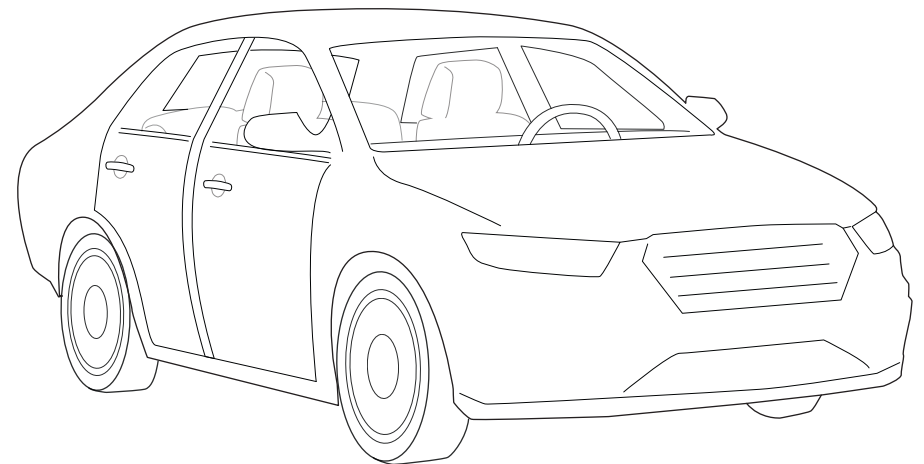



DRIVER SIDE VIEW




A


PASSENGER SIDE VIEW

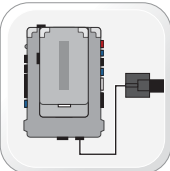


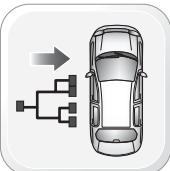
**01**  START the vehicle. Verify all vehicle functionalities. If the vehicle displays error messages or any malfunction: stop the installation and service the vehicle.


**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.

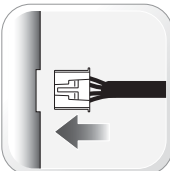
**07**  WARNING: Any vehicle harness that is disconnected during installation, must be re-connected before performing any system tests. Failure to comply will result in vehicle displaying error messages. An OEM scantool will be required to clear the error messages.

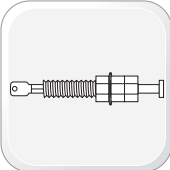
**08**  START the vehicle. Verify all vehicle functionalities.

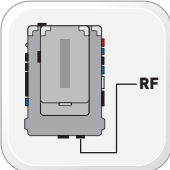
**09**  WARNING: If the vehicle displays error messages or any malfunction, stop the installation, verify every connection and if the problem persists, call technical support.

**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.

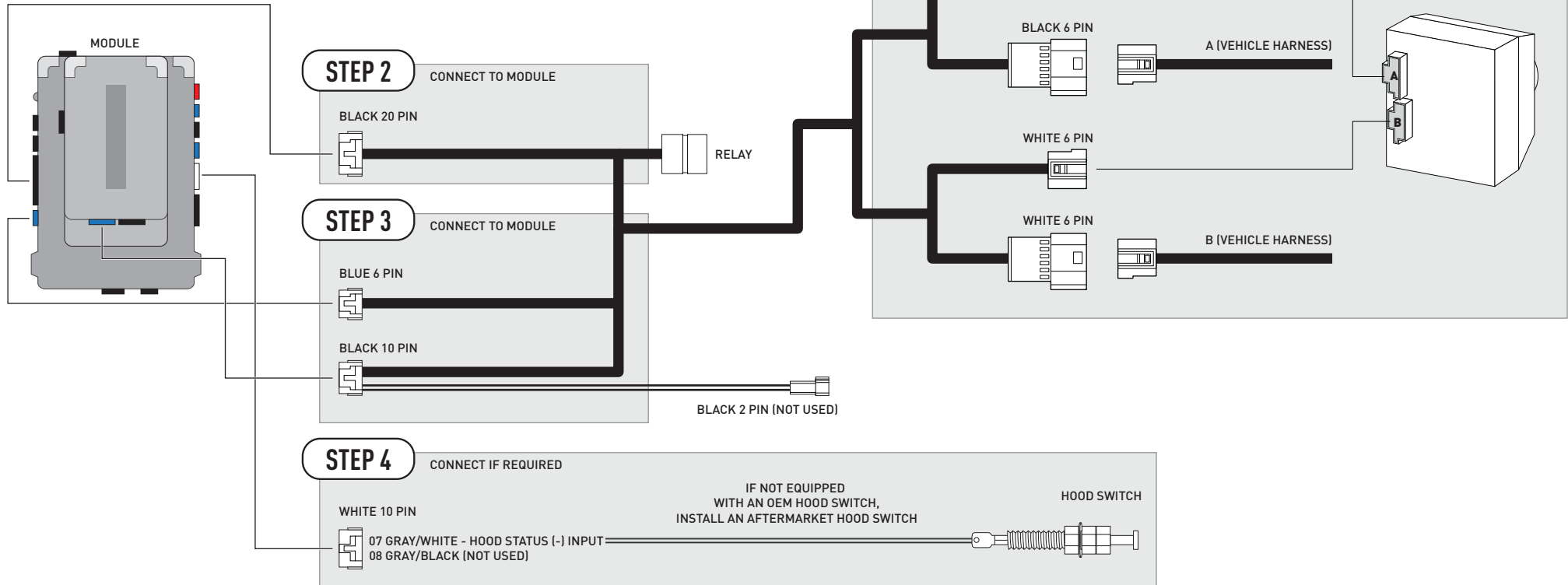
**15**  If required, connect a compatible Telematics Device to the TELEMATIC port of the module.

**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

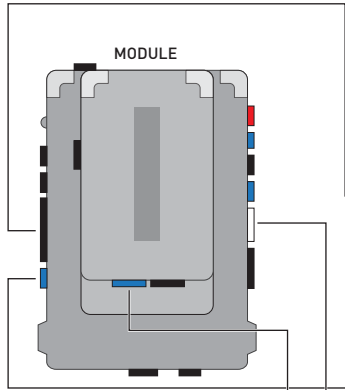




| MAKE          | MODEL                 | YEAR  | WIRE DESCRIPTION | CONNECTOR NAME | CONNECTOR COLOR | CONNECTOR TYPE | POSITION | WIRE COLOR | POLARITY | MODULE LOCATION                  | COMPONENT LOCATOR |
|---------------|-----------------------|-------|------------------|----------------|-----------------|----------------|----------|------------|----------|----------------------------------|-------------------|
| MERCEDES-BENZ | CL Class PTS AT       | 07-13 | CanH             | ~              | Black           | 02 pin         | 01       | Brown/Red  | (DATA)   | Behind carpet, under driver seat | A                 |
|               |                       |       | CanL             | ~              | Black           | 02 pin         | 02       | Brown      | (DATA)   | Behind carpet, under driver seat | A                 |
|               | S Class PTS AT        | 07-13 | CanH             | ~              | Black           | 02 pin         | 01       | Brown/Red  | (DATA)   | Behind carpet, under driver seat | A                 |
|               |                       |       | CanL             | ~              | Black           | 02 pin         | 02       | Brown      | (DATA)   | Behind carpet, under driver seat | A                 |
|               | S Class Diesel PTS AT | 07-13 | CanH             | ~              | Black           | 02 pin         | 01       | Brown/Red  | (DATA)   | Behind carpet, under driver seat | A                 |
|               |                       |       | CanL             | ~              | Black           | 02 pin         | 02       | Brown      | (DATA)   | Behind carpet, under driver seat | A                 |

**WARNING**

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



**STEP 2**

CONNECT TO MODULE

BLACK 20 PIN

**STEP 3**

CONNECT TO MODULE

BLUE 6 PIN

BLACK 10 PIN

RELAY

**STEP 1**

CONNECT TO VEHICLE  
START VEHICLE WITH OEM KEYFOB TO TEST CONNECTIONS

BLACK 6 PIN

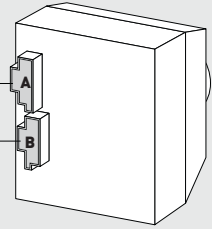
BLACK 6 PIN

WHITE 6 PIN

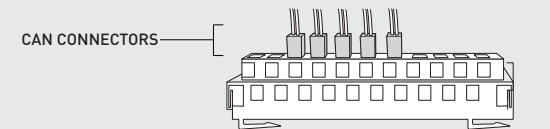
WHITE 6 PIN

A (VEHICLE HARNESS)

B (VEHICLE HARNESS)



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 JUNCTION CONNECTOR

CONNECT  
BLACK 2 PIN

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

CONNECT  
C1  
01 CANH  
02 CANL

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

**STEP 4**

CONNECT IF REQUIRED

WHITE 10 PIN

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

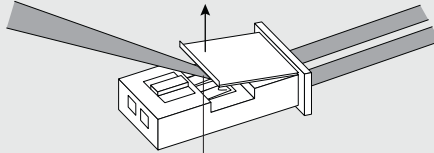
IF NOT EQUIPPED  
WITH AN OEM HOOD SWITCH,  
INSTALL AN AFTERMARKET HOOD SWITCH

HOOD SWITCH

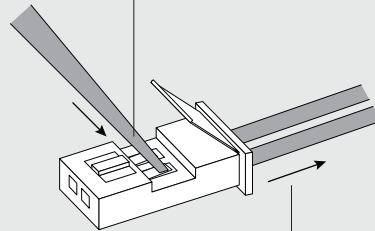


INSTRUCTIONS TO CHANGE THE HOUSING OF CAN WIRES  
(ONLY IF THE CAN CONNECTOR DOES NOT FIT IN C1)

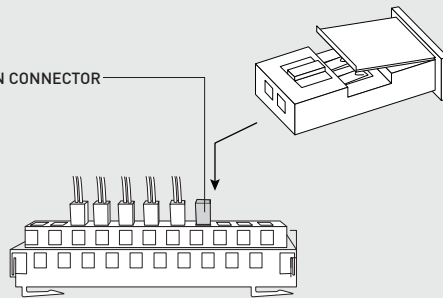
1- RELEASE RETAINING CLIP OF CAN CONNECTOR.



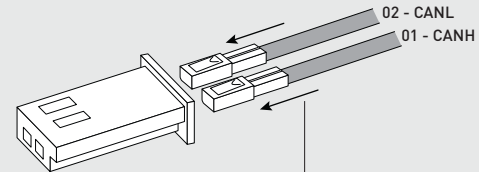
2- RELEASE LOCKING MECHANISM.  
REMOVE CAN WIRES FROM HOUSING.



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



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.

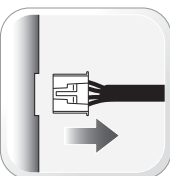



>>  One of the connectors of the CAN junction connector controls the keyless authorization system (Keyless Go). The following procedure will allow the module to identify the required CAN connector.


>>  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.

>>



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. 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.


>>

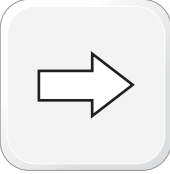


To exit valet mode: repeat steps 1 to 4 then START vehicle for 15 seconds.


| <b>AFTERMARKET REMOTE PROGRAMMING:<br/>NOTES</b>   |  |
|--|--|
| <p>I All aftermarket remotes must be programmed to the RF-Kit.</p> <p>Refer to the RF-Kit user guide for aftermarket remote features and programming procedures.</p> |  |


>>  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.

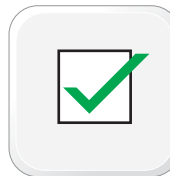
09  To return to the MENUS: exit the Module Navigation and redo the Module Navigation Procedure.


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.



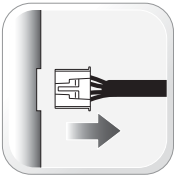
| MODULE NAVIGATION CHART:<br>NOTES  | [X] MENUS  | [Y] OPTIONS                        | [Z] SETTINGS   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|--|--|------------------------------------|--|----|---------------|----|----------------------|----|---------------------------|----|--------|----|--------|----|--------|----|---------------|
| I Default settings are listed in bold.<br>II Make sure the option is covered on the vehicle before attempting to change the setting. | 01 CONFIGURATION   | 01 DISARM/UNLOCK BEFORE START      | <table border="1"> <tr><td>01</td><td><b>OFF</b></td></tr> <tr><td>02</td><td>ON</td></tr> </table>  | 01 | <b>OFF</b>    | 02 | ON                   |    |                           |    |        |    |        |    |        |    |               |
|  |  | 01                                 | <b>OFF</b>   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 02                                 | ON   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 02 RELOCK AFTER START              | <table border="1"> <tr><td>01</td><td><b>OFF</b></td></tr> <tr><td>02</td><td>ON</td></tr> </table>  | 01 | <b>OFF</b>    | 02 | ON                   |    |                           |    |        |    |        |    |        |    |               |
|  |  | 01                                 | <b>OFF</b>   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 02                                 | ON   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 03 RELOCK AFTER SHUTDOWN           | <table border="1"> <tr><td>01</td><td><b>OFF</b></td></tr> <tr><td>02</td><td>ON</td></tr> </table>  | 01 | <b>OFF</b>    | 02 | ON                   |    |                           |    |        |    |        |    |        |    |               |
|  |  | 01                                 | <b>OFF</b>   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 02                                 | ON   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 04 FORCE UNLOCK ALL ON FIRST PRESS | <table border="1"> <tr><td>01</td><td><b>OFF</b></td></tr> <tr><td>02</td><td>ON</td></tr> </table>  | 01 | <b>OFF</b>    | 02 | ON                   |    |                           |    |        |    |        |    |        |    |               |
|  |  | 01                                 | <b>OFF</b>   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 02                                 | ON   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 05 TAKEOVER                        | <table border="1"> <tr><td>01</td><td><b>ENABLE</b></td></tr> <tr><td>02</td><td>DISABLE*</td></tr> </table>   | 01 | <b>ENABLE</b> | 02 | DISABLE*             |    |                           |    |        |    |        |    |        |    |               |
|  |  | 01                                 | <b>ENABLE</b>  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 02                                 | DISABLE*   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 06 SECURE TAKEOVER DELAY           | <table border="1"> <tr><td>01</td><td><b>45 SEC</b></td></tr> <tr><td>02</td><td>90 SEC</td></tr> <tr><td>03</td><td>03 MIN</td></tr> <tr><td>04</td><td>04 MIN</td></tr> </table> | 01 | <b>45 SEC</b> | 02 | 90 SEC               | 03 | 03 MIN                    | 04 | 04 MIN |    |        |    |        |    |               |
|  |  | 01                                 | <b>45 SEC</b>  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 02                                 | 90 SEC   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 03                                 | 03 MIN   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
|  |  | 04                                 | 04 MIN   |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 07 FACTORY KEYLESS RS SEQUENCE   | <table border="1"> <tr><td>01</td><td>DISABLE</td></tr> <tr><td>02</td><td>N/A</td></tr> <tr><td>03</td><td>LOCK + UNLOCK + LOCK</td></tr> <tr><td>04</td><td><b>LOCK + LOCK + LOCK</b></td></tr> </table>   | 01                                 | DISABLE  | 02 | N/A           | 03 | LOCK + UNLOCK + LOCK | 04 | <b>LOCK + LOCK + LOCK</b> |    |        |    |        |    |        |    |               |
| 01   | DISABLE  |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 02   | N/A  |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 03   | LOCK + UNLOCK + LOCK   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 04   | <b>LOCK + LOCK + LOCK</b>  |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 08 MODULE RUN TIME   | <table border="1"> <tr><td>01</td><td>03 MIN</td></tr> <tr><td>02</td><td>05 MIN</td></tr> <tr><td>03</td><td>10 MIN</td></tr> <tr><td>04</td><td>15 MIN</td></tr> <tr><td>05</td><td>25 MIN</td></tr> <tr><td>06</td><td>30 MIN</td></tr> <tr><td>07</td><td>35 MIN</td></tr> <tr><td>08</td><td><b>15 MIN</b></td></tr> </table> | 01                                 | 03 MIN   | 02 | 05 MIN        | 03 | 10 MIN               | 04 | 15 MIN                    | 05 | 25 MIN | 06 | 30 MIN | 07 | 35 MIN | 08 | <b>15 MIN</b> |
| 01   | 03 MIN   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 02   | 05 MIN   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 03   | 10 MIN   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 04   | 15 MIN   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 05   | 25 MIN   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 06   | 30 MIN   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 07   | 35 MIN   |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 08   | <b>15 MIN</b>  |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 09 WAIT TO START DELAY   | <table border="1"> <tr><td>01</td><td><b>02 SEC</b></td></tr> <tr><td>02</td><td>05 SEC</td></tr> <tr><td>03</td><td>08 SEC</td></tr> <tr><td>04</td><td>10 SEC</td></tr> <tr><td>05</td><td>15 SEC</td></tr> <tr><td>06</td><td>20 SEC</td></tr> <tr><td>07</td><td>25 SEC</td></tr> <tr><td>08</td><td>30 SEC</td></tr> </table> | 01                                 | <b>02 SEC</b>  | 02 | 05 SEC        | 03 | 08 SEC               | 04 | 10 SEC                    | 05 | 15 SEC | 06 | 20 SEC | 07 | 25 SEC | 08 | 30 SEC        |
| 01   | <b>02 SEC</b>  |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 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  | <table border="1"> <tr><td>01</td><td>N/A</td></tr> </table>   | 01                                 | N/A  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 01   | N/A  |                                    |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |
| 02-07 Technical Support only   | 01 N/A   | 01 N/A                             |  |    |               |    |                      |    |                           |    |        |    |        |    |        |    |               |

\*Vehicle will shutdown when a door is opened.

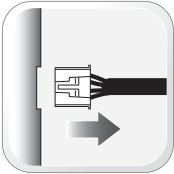
| REMOTE STARTER ERROR CODES:<br>NOTES  | [X] NUMBER OF<br>PARKING LIGHT<br>FLASHES | DIAGNOSTIC  |
|---|---|---|
| I WARNING: The following applies only when the parking lights are connected and supported by the system.                | 03  | Foot brake is ON.   |
|   | 04  | Hood is open.   |
| II 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.



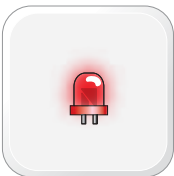
**03** PRESS AND HOLD programming button while connecting the BLACK 20-PIN connector.



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



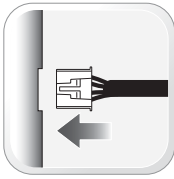
**05** LED 1 will turn RED for 2 seconds.



**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.



>> All vehicle doors must be closed and locked prior to remote start sequence.



01 Time restriction. Complete steps 2 to 6 within 45 seconds.



02 Unlock driver door.



03 Open driver door and enter vehicle.



04 Close driver door.



05 Push start button once [1x] to ON position OR turn key to ON position.



06 Press and release BRAKE pedal.



07 Take over procedure completed.



>> Failure to follow procedure will result in vehicle engine shutdown.



| CHECKLIST                |   |
|--------------------------|---|
| 01                       | WARNING: Vehicle engine will start many times. Test in a well ventilated 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.   |
|                          | <b>QUESTION 1:</b> Does the vehicle remote start?   |
| <input type="checkbox"/> | YES: Go to step 7.  |
| <input type="checkbox"/> | 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.  |
|                          | <b>QUESTION 2:</b> Does the vehicle shut down?  |
| <input type="checkbox"/> | YES: Go to step 8.  |
| <input type="checkbox"/> | 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.  |
|                          | <b>QUESTION 3:</b> Is the orange warning sticker "Sticker 1" placed under the hood?   |
| <input type="checkbox"/> | YES: Leave hood open and go to step 9.  |
| <input type="checkbox"/> | 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.   |
|                          | <b>QUESTION 4:</b> Does the vehicle remote start?   |
| <input type="checkbox"/> | YES: Press LOCK button three times [3x] rapidly on the OEM keyfob to shut down vehicle. Go to question 5.   |
| <input type="checkbox"/> | NO: Go to step 11.  |
|                          | <b>QUESTION 5:</b> Is the vehicle equipped with a factory hood switch? (Inside hood latch)  |
| <input type="checkbox"/> | YES: The module does NOT detect the hood signal from the vehicle communication network. Call technical support.   |
| <input type="checkbox"/> | 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.  |
|                          | <b>QUESTION 6:</b> Does the vehicle shut down?  |
| <input type="checkbox"/> | YES: Go to step 17.   |
| <input type="checkbox"/> | 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                |  |
|--------------------------|--|
| 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.   |
|                          | <b>QUESTION 7:</b> Is the vehicle equipped with a keyless authorization system (Keyless Go) ?  |
| <input type="checkbox"/> | YES: Touch the exterior driver door handle to unlock door using the keyless authorization system (Keyless Go). Within 45 seconds, go to step 21. |
| <input type="checkbox"/> | NO: Press UNLOCK button once [1x] on the OEM keyfob. Within 45 seconds, go to step 21.   |
| 21                       | Open driver door.  |
|                          | <b>QUESTION 8:</b> Does the vehicle shut down?   |
| <input type="checkbox"/> | YES: The module does NOT detect the unlock signal from the vehicle communication network. Call technical support.                                |
| <input type="checkbox"/> | NO: Go to step 22.   |
| 22                       | Enter vehicle.   |
|                          | <b>QUESTION 9:</b> Is the vehicle equipped with a keyless authorization system (Keyless Go) ?  |
| <input type="checkbox"/> | YES: Push vehicle start button once [1x]. Go to step 23.   |
| <input type="checkbox"/> | NO: Insert key into ignition and turn key to ON position. Go to step 23.   |
| 23                       | Press and release brake pedal.   |
|                          | <b>QUESTION 10:</b> Does the vehicle shut down?  |
| <input type="checkbox"/> | YES: Repeat this procedure from step 3. If the problem persists, call technical support.   |
| <input type="checkbox"/> | NO: Go to step 24.   |
| 24                       | Shut down the vehicle.   |
| 25                       | Installation checklist completed.  |