



INSTALL GUIDE

DIR-CH(RS)-CH5-[FLRSCH5]-EN

DOCUMENT NUMBER
67853

REVISION DATE
20191206

FIRMWARE
DIR-CH(RS)-CH5-[FLRSCH5]

HARDWARE
FLRSCH5

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

TERMS OF USE: Automotive Data Solutions Inc. ("ADS") products are strictly intended for installation by Certified Technicians who are employed by a registered business specialized in the installation of automotive aftermarket electronics products. Prior to beginning installation of an ADS product in a vehicle, it is the Certified Technician's responsibility to review the most current Product Guide, Install Guide and vehicle-specific notes available in Weblink®. ADS is not responsible for any damages whatsoever, including but not limited to any consequential damages, incidental damages, damages for loss of time, loss of earnings, loss of profit, commercial loss, loss of economic opportunity and the like that may or may not have resulted from the use, misuse, improper installation or operation of its products. ADS reserves itself the right to suspend any Weblink® account without notice and decline to offer technical support to non-Certified Technicians, non-compliant Certified Technicians or end users.



BEFORE INSTALLATION

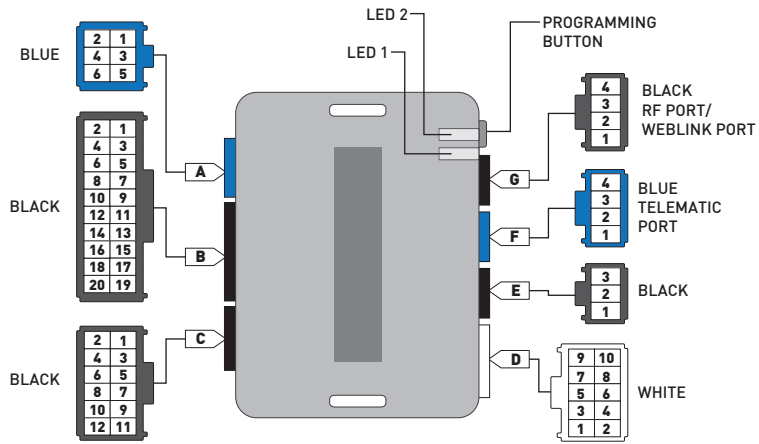
- 1- Connect module to computer
- 2- Login to Weblink account
- 3- Flash firmware to module (module is not preloaded with firmware)
- 4- Use accessories accordingly (accessories are sold separately)

| MAKE | MODEL | YEAR | INSTALL TYPE | FEATURES | | | | | | | | | | | | | | |
|-------------------------|------------------------------|-------|--------------|-------------------------|-------------------------------|-----------------|-----------|-------------|---------------|------------------|---------------------|-----------------------|-------------|--------------------|-------------------|---------------------|-------------------|---|
| | | | | DATA IMMOBILIZER BYPASS | 3X LOCK START/STANDALONE MOD. | PRIORITY UNLOCK | DOOR LOCK | DOOR UNLOCK | ARM OEM ALARM | DISARM OEM ALARM | TRUNK/HATCH RELEASE | DATA/MUX STARTER CTRL | DOOR STATUS | BRAKE PEDAL STATUS | TACHOMETER STATUS | PARKING LIGHT CTRL* | RAP SHUTDOWN CTRL | |
| CHRYSLER | 200 AT | 11-14 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | 300 / 300C AT | 05-07 | 1 or 3 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Aspen AT | 07-10 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | PT Cruiser AT | 06-10 | 1 or 3 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Sebring AT | 07-10 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| DODGE | Avenger AT | 08-14 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Caliber (with start wire) AT | 07 | 1 or 3 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Caliber AT | 07-12 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Charger AT | 06-07 | 1 or 3 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Durango AT | 07-10 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Magnum AT | 05-07 | 1 or 3 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Nitro AT | 07-11 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Ram 1500 AT | 07-08 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Ram 2500 AT | 07-09 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Ram 3500 AT | 07-09 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Ram 3500 chassis cab AT | 07-09 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Ram 4500 chassis cab AT | 08-10 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Ram 5500 chassis cab AT | 08-10 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| JEEP | Commander AT | 06-07 | 1 or 3 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Compass AT | 07-17 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Grand Cherokee AT | 05-07 | 1 or 3 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Liberty AT | 08-12 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | Patriot AT | 07-17 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Wrangler JK STD Key AT | 07-18 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| RAM | 4500 chassis cab AT | 10 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | 5500 chassis cab AT | 10 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

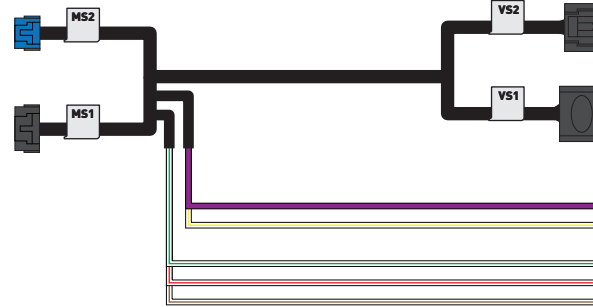
* May require additional parts.

BOX CONTENTS

MODULE



T-HARNESS 1



10 PIN CONNECTOR



12 PIN CONNECTOR



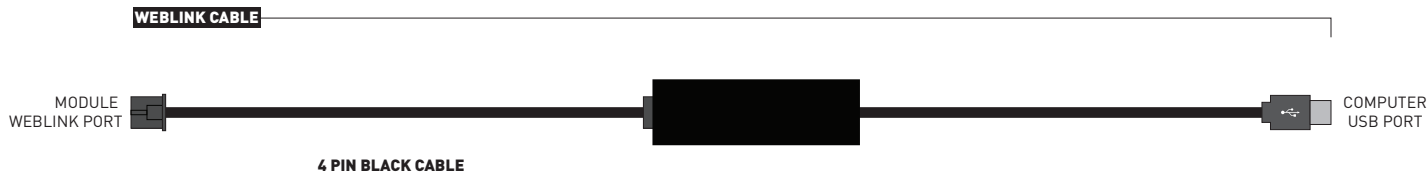
AFTERMARKET HOOD SWITCH AND CABLE



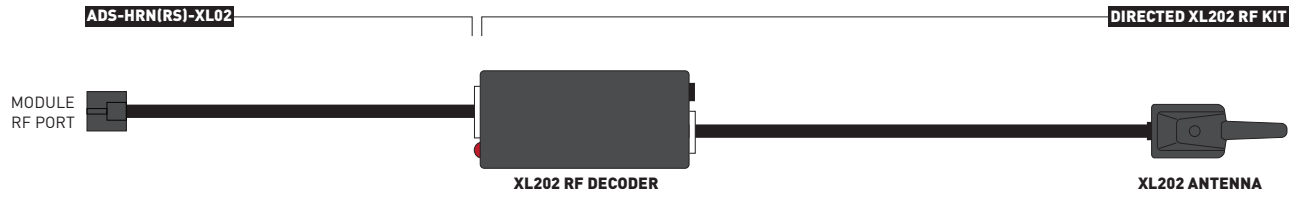
WARNING STICKER



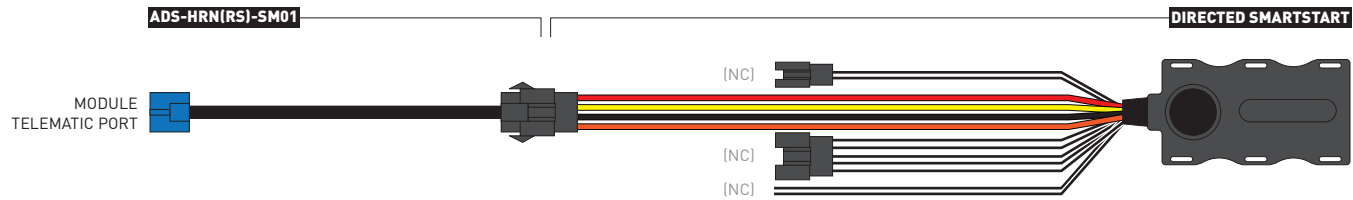
WEBLINK CABLE (required accessory sold separately)



RF KIT (accessories sold separately)

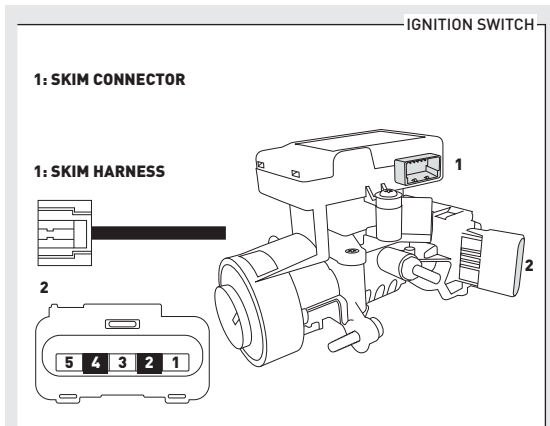
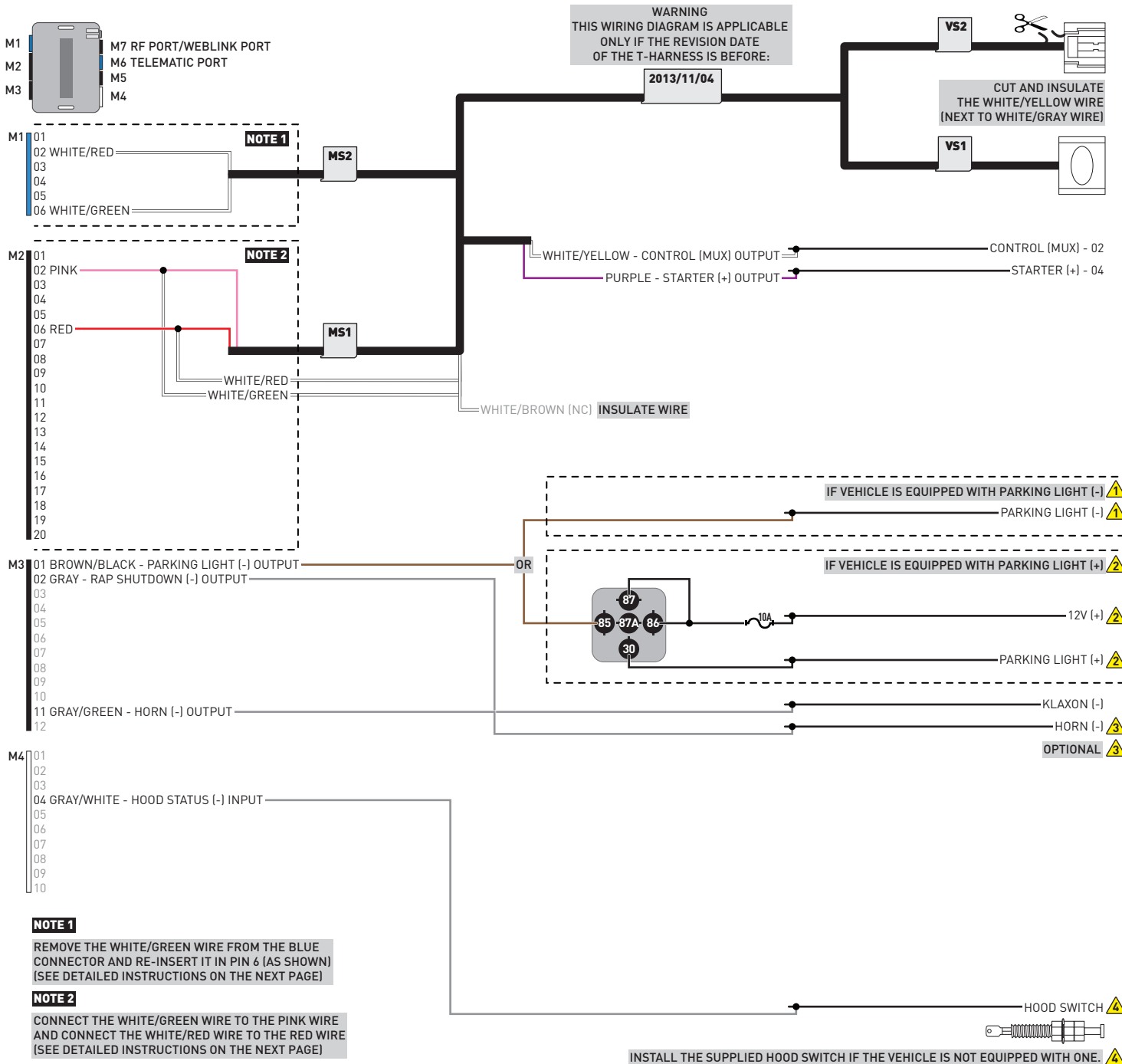


TELEMATIC KIT (accessories sold separately)



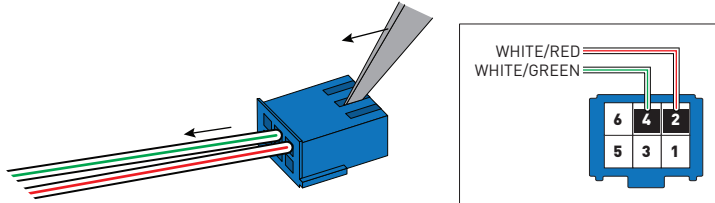
| MAKE | MODEL | YEAR | WIRE DESCRIPTION | CONNECTOR NAME | CONNECTOR COLOR | CONNECTOR TYPE | POSITION | WIRE COLOR | POLARITY | MODULE LOCATION | COMPONENT LOCATOR |
|----------|------------------------------|-------|------------------|----------------|-----------------|----------------|----------|---------------|----------|--|-------------------|
| CHRYSLER | 300/300C | 05-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Passenger kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | PT Cruiser | 06-10 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/LtBlue | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Brown/Tan | (-) | Switch | ~ |
| DODGE | Caliber (with start wire) | 07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | Charger | 06-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Passenger kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Magnum | 05-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Passenger kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| JEEP | Commander | 06-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/Orange | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | 85 | ~ | (-) | Parking light relay, engine compartment. | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Grand Cherokee | 05-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/Orange | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (-) | Parking light relay, engine compartment. | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |

* Requires additional parts.

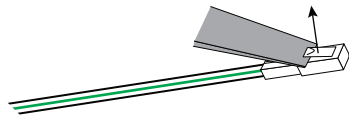


NOTE 1

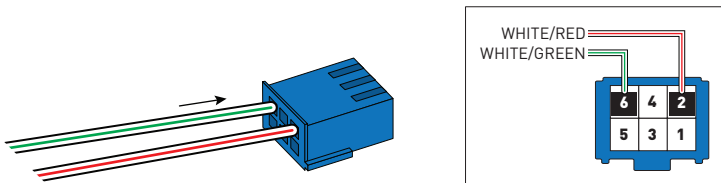
- STEP 1:
-REMOVE THE WHITE/GREEN WIRE FROM THE BLUE CONNECTOR CAREFULLY.
-USE A UTILITY KNIFE TO PUSH GENTLY AGAINST THE LOCKING TAB.
-DO NOT DAMAGE THE LOCKING TAB IN THE PROCESS.



- STEP 2:
-USING A UTILITY KNIFE, LIFT THE LOCKING TAB CAREFULLY FOR IT TO BE RE-USED.

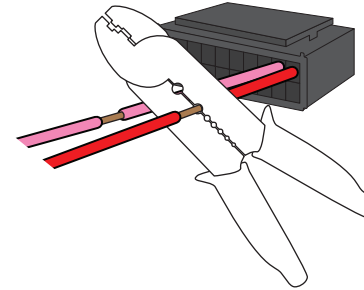


- STEP 3:
-INSERT THE WIRE IN PIN 6 OF THE CONNECTOR, RIGHT NEXT TO WHERE IT USED TO BE.

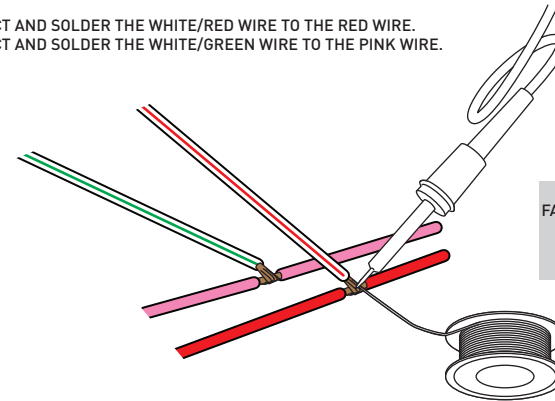


NOTE 2

- STEP 1:
-IDENTIFY THE PINK (PIN 17) AND RED (PIN 19) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
-CAREFULLY STRIP THE PINK AND RED WIRES USING A WIRE STRIPPER.
-DO NOT CUT THE WIRES IN THE PROCESS.

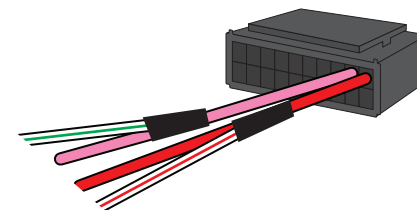


- STEP 2:
-CONNECT AND SOLDER THE WHITE/RED WIRE TO THE RED WIRE.
-CONNECT AND SOLDER THE WHITE/GREEN WIRE TO THE PINK WIRE.



WARNING
FAILURE TO PROPERLY SOLDER
CAN RESULT IN
FAULTY CONNECTIONS AND
PRODUCT MALFUNCTION

- STEP 3:
-INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.



| MAKE | MODEL | YEAR | WIRE DESCRIPTION | CONNECTOR NAME | CONNECTOR COLOR | CONNECTOR TYPE | POSITION | WIRE COLOR | POLARITY | MODULE LOCATION | COMPONENT LOCATOR |
|----------|---------|-------|------------------|----------------|-----------------|----------------|----------|----------------------------|----------|--------------------|-------------------|
| CHRYSLER | 200 | 11-14 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Aspen | 07-10 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | Pink/Red | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Violet | (-) | Driver door module | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Switch | ~ |
| | Sebring | 07-10 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| DODGE | Avenger | 08-14 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | Caliber | 07-12 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Durango | 07-10 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | Pink/Red | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Violet | (-) | Driver door module | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| DODGE | Nitro | 07-11 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple + White/Green | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |

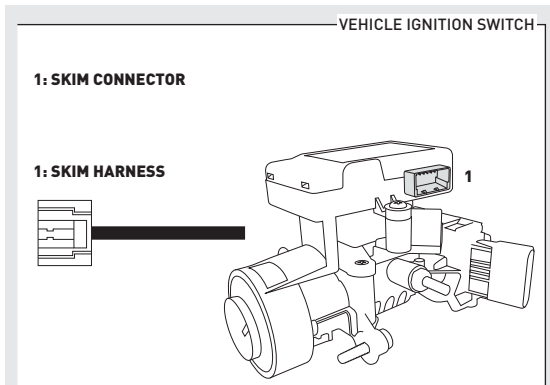
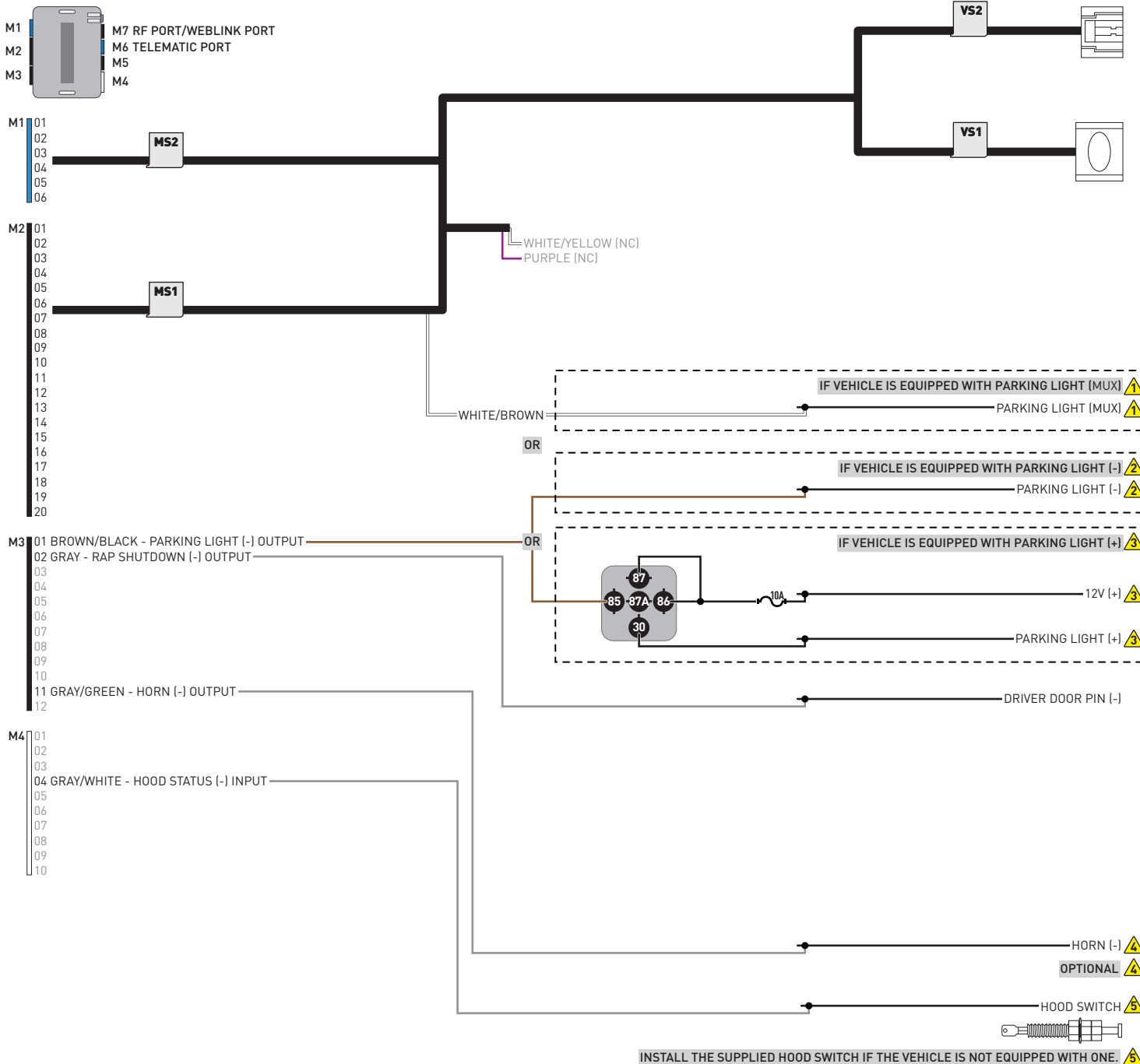
* Requires additional parts.

| MAKE | MODEL | YEAR | WIRE DESCRIPTION | CONNECTOR NAME | CONNECTOR COLOR | CONNECTOR TYPE | POSITION | WIRE COLOR | POLARITY | MODULE LOCATION | COMPONENT LOCATOR |
|----------|----------|-----------------|------------------|----------------|-----------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|
| DODGE | Ram 1500 | 07-09 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | White/Green | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Ram 2500 | 07-09 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | White/Green | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Ram 3500 | 07-09 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | White/Green | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Ram 4500 | 08-10 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | White/Green | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| Ram 5500 | 08-10 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | |
| | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | |
| | | Parking Light | ~ | ~ | ~ | ~ | White/Green | (MUX) | Switch | ~ | |
| | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ | |
| | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ | |
| JEEP | Compass | 07-17 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Switch | ~ |
| | Liberty | 08-12 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |

* Requires additional parts.

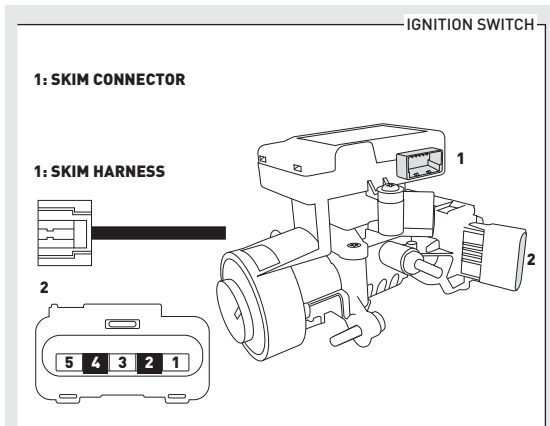
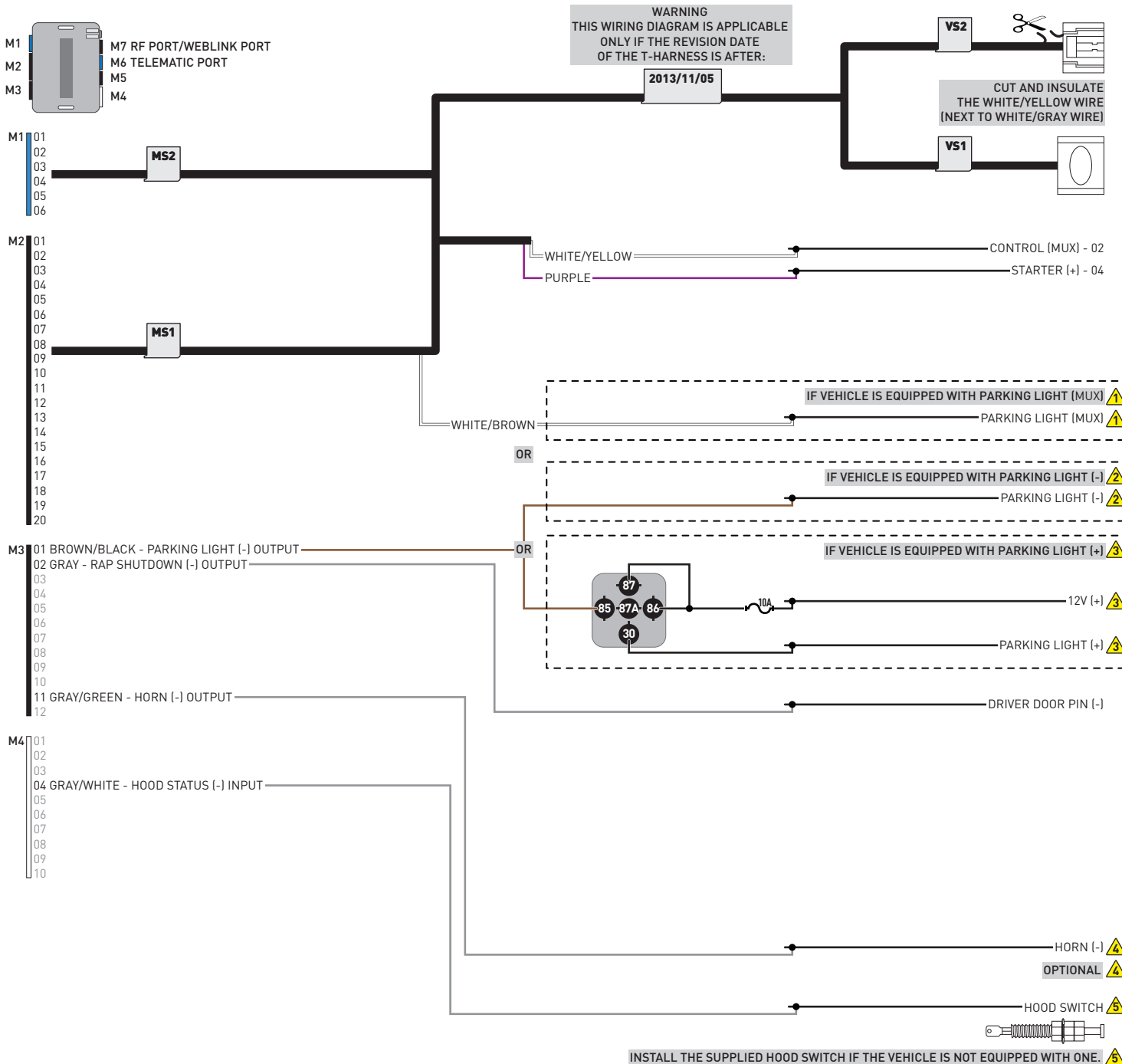
| MAKE | MODEL | YEAR | WIRE DESCRIPTION | CONNECTOR NAME | CONNECTOR COLOR | CONNECTOR TYPE | POSITION | WIRE COLOR | POLARITY | MODULE LOCATION | COMPONENT LOCATOR |
|------|------------------------|-------|------------------|----------------|-----------------|----------------|----------|-----------------------------|----------|--------------------|-------------------|
| JEEP | Patriot | 07-17 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | Wrangler JK STD Key AT | 07-18 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple + White/Orange | (+) | Passenger kick pad | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| RAM | 4500 | 10 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | White/Green | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | 5500 | 10 | Mux | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Starter | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | | | Parking Light | ~ | ~ | ~ | ~ | White/Green | (MUX) | Switch | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |

* Requires additional parts.



| MAKE | MODEL | YEAR | WIRE DESCRIPTION | CONNECTOR NAME | CONNECTOR COLOR | CONNECTOR TYPE | POSITION | WIRE COLOR | POLARITY | MODULE LOCATION | COMPONENT LOCATOR |
|----------|------------------------------|-------|------------------|----------------|-----------------|----------------|----------|---------------|----------|--|-------------------|
| CHRYSLER | 300/300C | 05-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Passenger kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | PT Cruiser | 06-10 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/LtBlue | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Brown/Tan | (-) | Switch | ~ |
| DODGE | Caliber (with start wire) | 07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Driver kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| | Charger | 06-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Passenger kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Magnum | 05-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/DkGreen | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (+) | Passenger kick panel | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| JEEP | Commander | 06-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/Orange | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | 85 | ~ | (-) | Parking light relay, engine compartment. | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |
| | Grand Cherokee | 05-07 | Control | C1 | Black | 5 pin | 2 | Violet/Brown | (MUX) | Ignition switch | ~ |
| | | | Starter | C1 | Black | 5 pin | 4 | Pink/Orange | (+) | Ignition switch | ~ |
| | | | Parking Light* | ~ | ~ | ~ | ~ | White/Purple | (-) | Parking light relay, engine compartment. | ~ |
| | | | Driver Door Pin | ~ | ~ | ~ | ~ | Purple/Blue | (-) | Driver kick panel | ~ |
| | | | Hood Status | ~ | ~ | ~ | ~ | Purple/LtBlue | (-) | Switch | ~ |

* Requires additional parts.



INSTALL THE SUPPLIED HOOD SWITCH IF THE VEHICLE IS NOT EQUIPPED WITH ONE.

01 Close driver door.



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



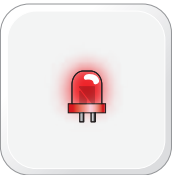
03 Insert key into ignition.



04 Turn key to ON position.



05 LED will turn solid RED.



06 Within 5 seconds, LED will flash GREEN rapidly.



07 Turn key to OFF position.



08 Remove key.



09 Press UNLOCK on the OEM remote. If vehicle is not equipped with OEM remote, press module programming button.



10 Wait, LED will turn solid GREEN for 2 seconds.



11 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.


>>

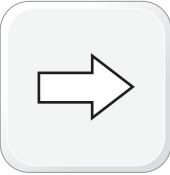


To exit valet mode: repeat steps 1 to 5.


| AFTERMARKET REMOTE PROGRAMMING: NOTES | |
|--|--|
| <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.

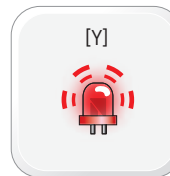
06  TO ACCESS THE SETTINGS: Press and hold programming button until LED 1 turns solid GREEN.


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: 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 N/A | 01 N/A |
| | | 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 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.

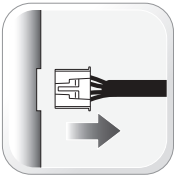
| MODULE NAVIGATION CHART: NOTES | [X] MENUS | [Y] OPTIONS | [Z] SETTINGS |
|-----------------------------------|------------------------------|-----------------------|---|
| | 01 CONFIGURATION | 14 HORN EVENT TRIGGER | 01 DOUBLE LOCK 02 LOCK + UNLOCK 03 LOCK + UNLOCK + START 04 DOUBLE LOCK + START |
| | | 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.

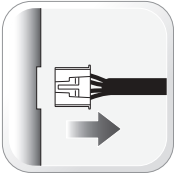
| REMOTE STARTER ERROR CODES: NOTES | [X] NUMBER OF PARKING LIGHT FLASHES | DIAGNOSTIC |
|---|---|---|
| I WARNING: The following applies only when the parking lights are connected and supported by the system. | 03 | Foot brake is ON. |
| | 04 | Hood is open. |
| II After a remote starter failure, the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



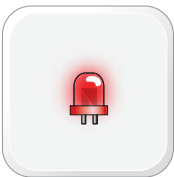
03 PRESS AND HOLD the module's programming button while connecting the BLACK 20-PIN connector.



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



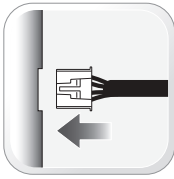
05 LED 1 will turn RED for 2 seconds.



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.



>>



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

01



Press unlock on OEM or aftermarket remote.

02



Insert key into ignition.

03



Turn key to ON position.

04



Press and release BRAKE pedal.

05



Take over procedure completed.

>>



Failure to follow procedure will result in vehicle engine shutdown.

| 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? |
| <input type="checkbox"/> | YES: Go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Close trunk or hatch and go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Press the AUX 1 button once [1x] to close the driver sliding door and go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Press the AUX 2 button once [1x] to close the passenger sliding door and go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Go to next step. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: The vehicle is not equipped with a factory hood pin. Install a mandatory aftermarket hood switch, then repeat the test. |
| <input type="checkbox"/> | 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? |
| <input type="checkbox"/> | YES: Go to next step. |
| <input type="checkbox"/> | 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. |