



# INSTALL GUIDE

## DIR-CH(RS)-CH7-[FLRSCH10]-EN

**DOCUMENT NUMBER**  
73471

**REVISION DATE**  
20210125

**FIRMWARE**  
DIR-CH(RS)-CH7-[FLRSCH10]

**HARDWARE**  
FLRSCH10

**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)

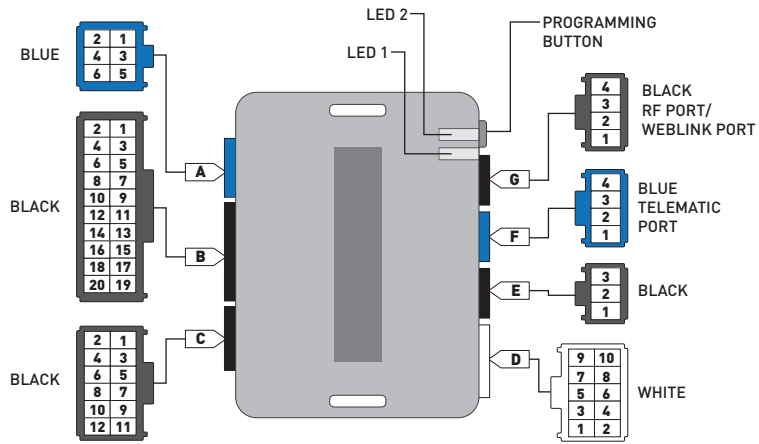
MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES														
				DATA IMMOBILIZER BYPASS	3X LOCK START/STANDALONE MOD.	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	TRUNK/HATCH RELEASE	DOOR STATUS OUTPUT	TRUNK STATUS OUTPUT	HOOD STATUS OUTPUT*	BRAKE PEDAL STAT OUTPUT	TACHOMETER OUTPUT	RAP SHUTDOWN CTRL	GLOW PLUGS STATUS
CHRYSLER	300 PTS AT	11-17	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	300 PTS AT	18	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DODGE	Challenger PTS AT	15-17	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Challenger PTS AT	18	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Charger PTS AT	11-17	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Charger PTS AT	18	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Dart PTS AT	13-16	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Durango PTS AT	14-17	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Durango PTS AT	18-20	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Durango PTS AT	21	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Journey PTS AT	11-17	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Journey PTS AT	18-20	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
JEEP	Grand Cherokee PTS AT	14-17	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Grand Cherokee PTS AT	18-21	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Grand Cherokee Diesel PTS AT	14-17	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Grand Cherokee Diesel PTS AT	18-21	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
RAM	1500 / 2500 / 3500 PTS AT	13-17	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1500 / 2500 / 3500 PTS AT	18	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1500 Classic PTS AT	19-20	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1500 / 2500 / 3500 Diesel PTS AT	13-17	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1500 / 2500 / 3500 Diesel PTS AT	18	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1500 Classic Diesel PTS AT	19-20	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

**NOTE**  
I WARNING: All vehicle doors must be closed and locked prior to remote start sequence.

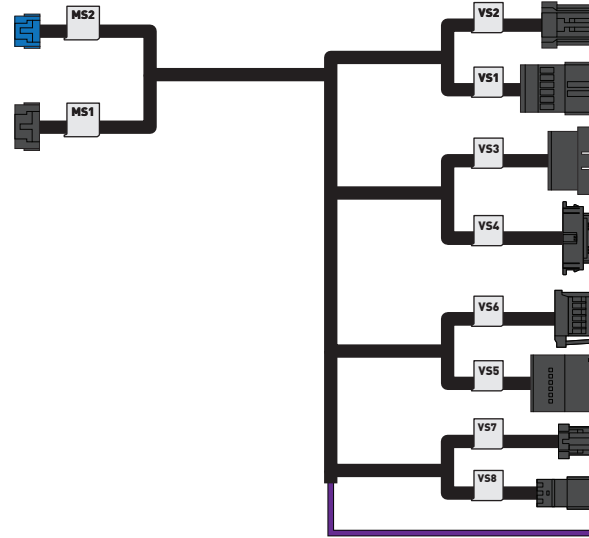
\* Available only if vehicle is equipped with factory hood switch.

**BOX CONTENTS**

**MODULE**



**T-HARNESS 1**



**10 PIN CONNECTOR**



**12 PIN CONNECTOR**



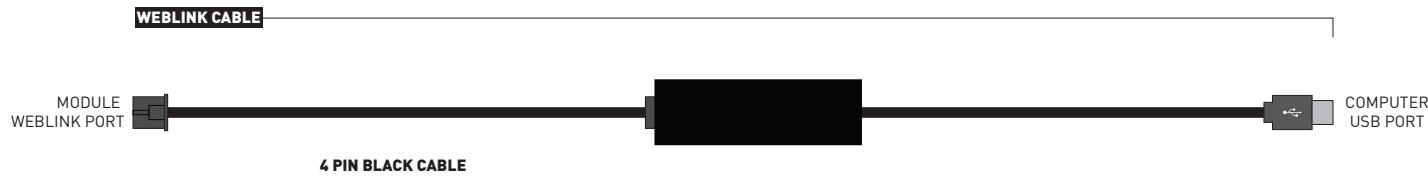
**AFTERMARKET HOOD SWITCH AND CABLE**



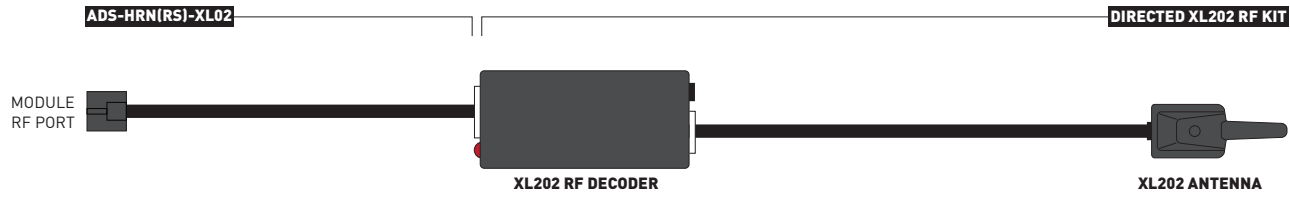
**WARNING STICKER**



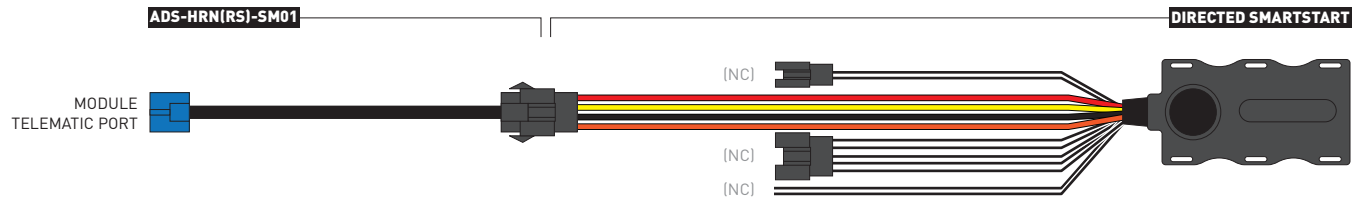
**WEBLINK CABLE (required accessory sold separately)**



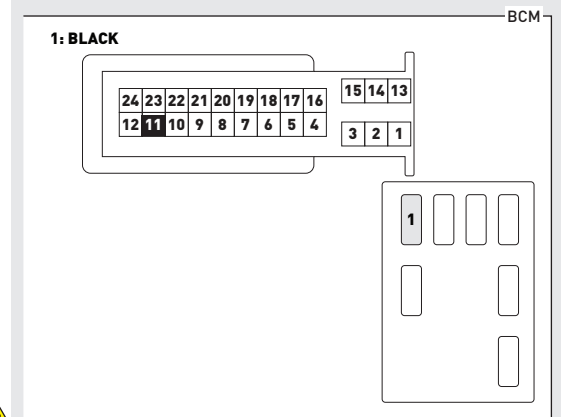
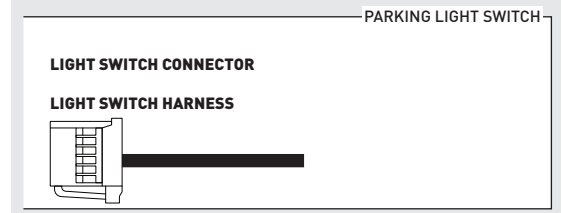
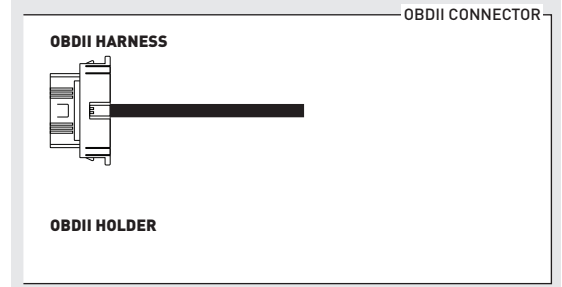
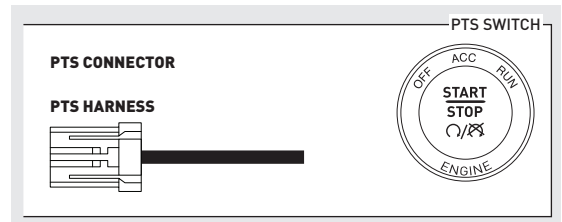
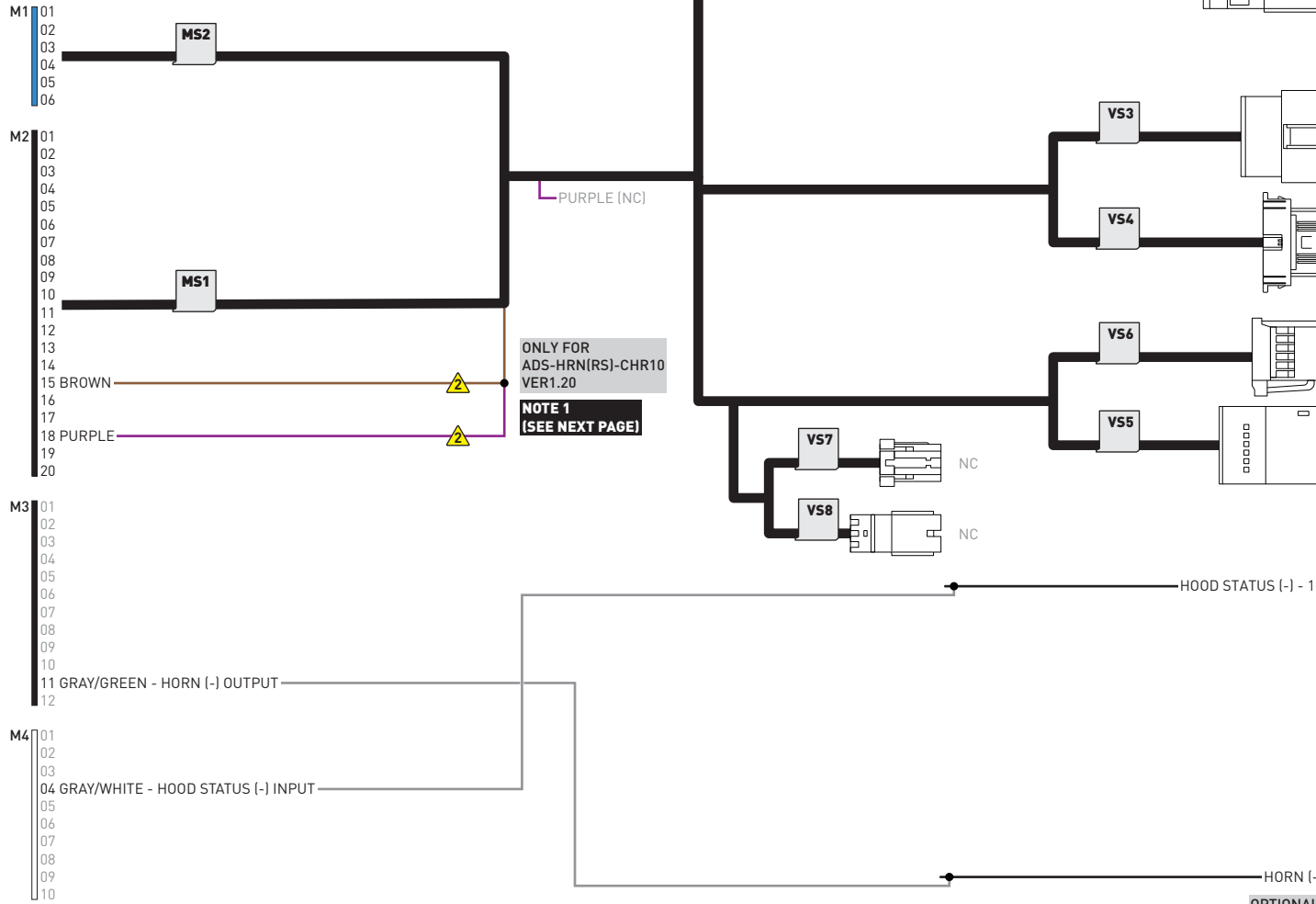
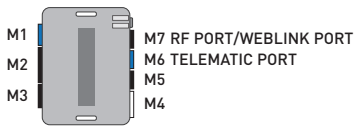
**RF KIT (accessories sold separately)**



**TELEMATIC KIT (accessories sold separately)**



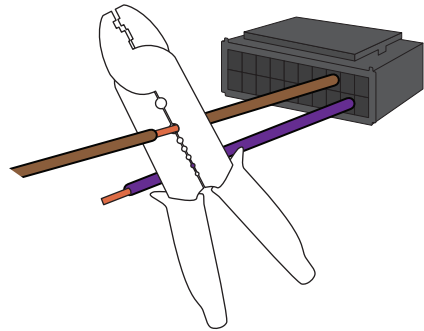
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
CHRYSLER	300 PTS AT	11-17	CanH	~	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	~	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM behind glove box	~
			Horn	~	~	~	~	~	(-)	~	~
DODGE	Journey PTS AT	11-17	CanH	~	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	~	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM behind glove box	~
			Horn	~	~	~	~	~	(-)	~	~



**NOTE 1**

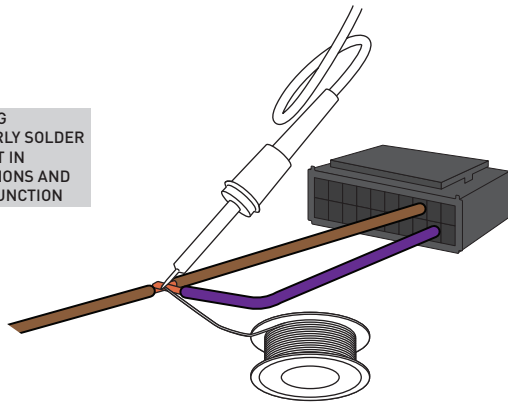
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20

- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

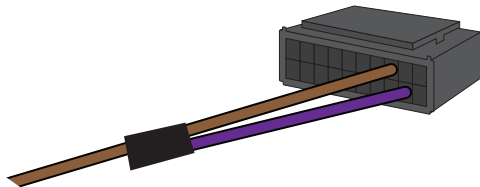


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

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

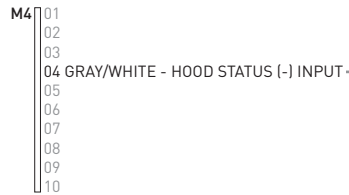
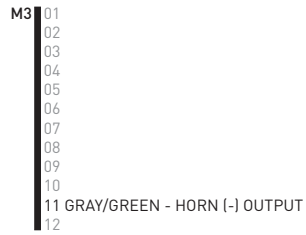
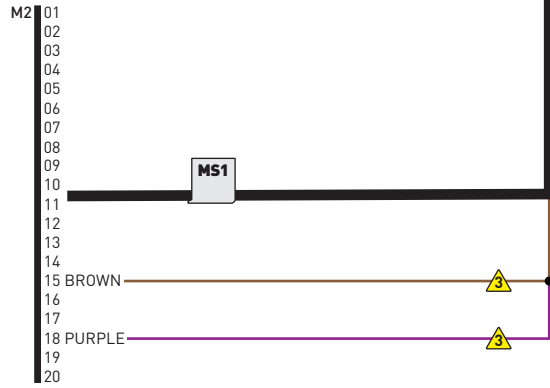
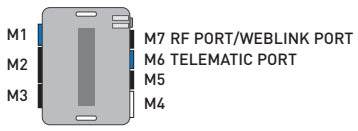


- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.



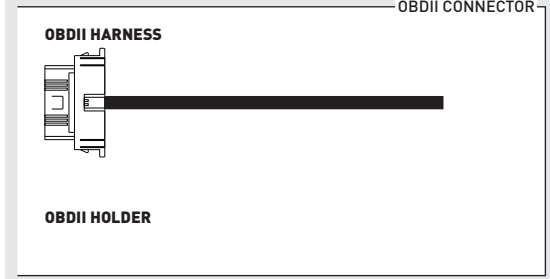
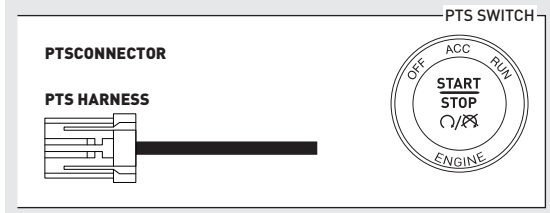
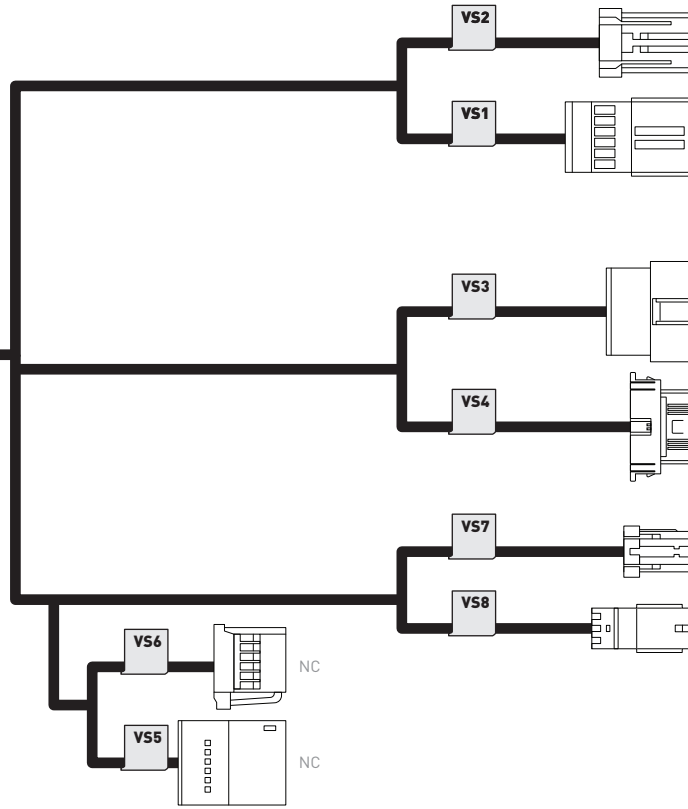
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
JEEP	Grand Cherokee/ Grand Cherokee Diesel PTS AT	14-17	CanH	D7405A	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	D7405A	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	D2442A	Black	10 pin	01	White/Green or White/Brown	(MUX)	Parking light switch	~
			Horn	~	~	~	~	~	(-)	~	~
RAM	1500/ 1500 Diesel PTS AT	13-17	CanH	D7405A	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	D7405A	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Horn	~	~	~	~	~	(-)	~	~
	2500/ 2500 Diesel PTS AT	13-17	CanH	D7405A	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	D7405A	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Rap Shutdown	~	~	~	~	Purple	(-)	Driver kick panel	~
	3500/ 3500 Diesel PTS AT	13-17	CanH	D7405A	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	D7405A	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Horn	~	~	~	~	~	(-)	~	~





ONLY FOR ADS-HRN(RS)-CHR10 VER1.20  
**NOTE 1**  
(SEE NEXT PAGE)

PURPLE (NC)



HORN (-) ⚠️  
OPTIONAL ⚠️

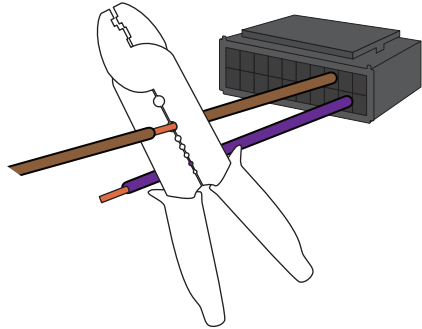


INSTALL THE SUPPLIED HOOD SWITCH IF THE VEHICLE IS NOT EQUIPPED WITH ONE. ⚠️

**NOTE 1**

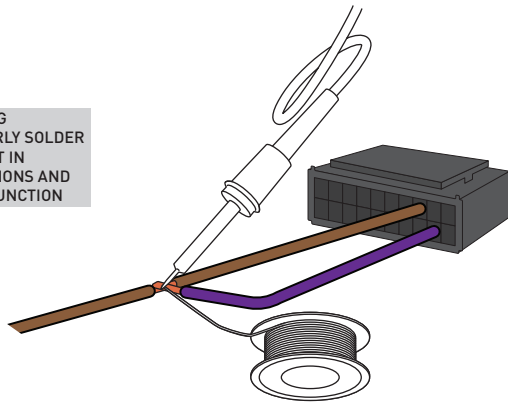
ONLY FOR  
ADS-HRN(RS)-CHR10  
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- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

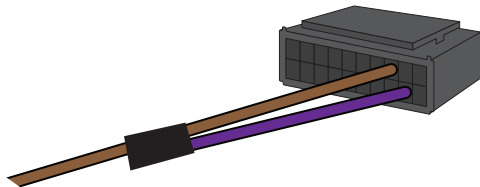


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

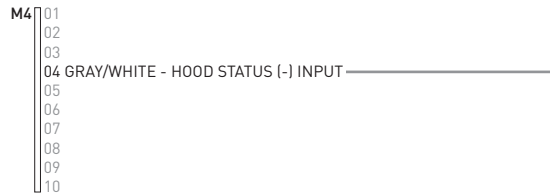
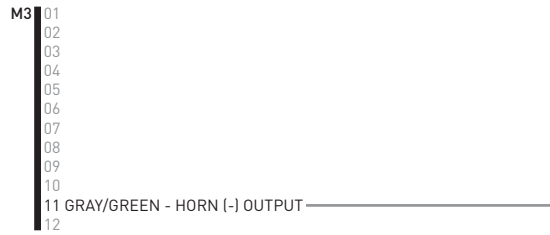
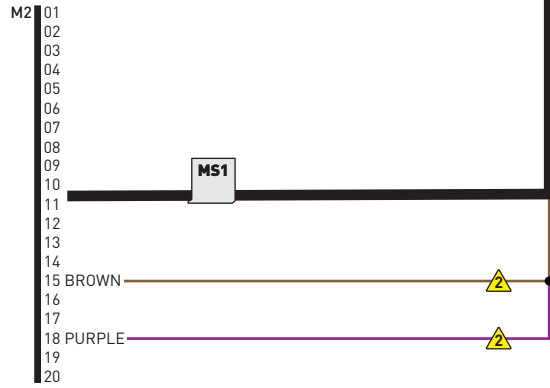
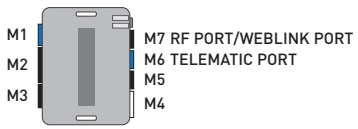
WARNING  
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- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.

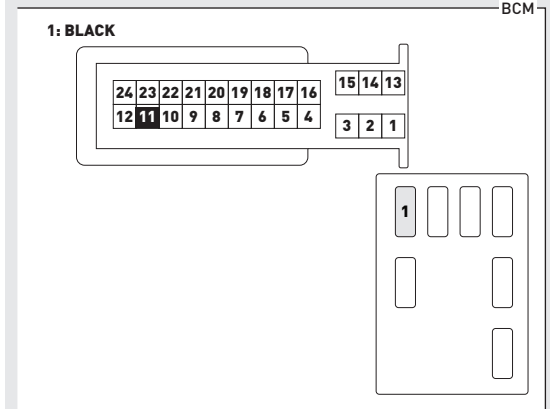
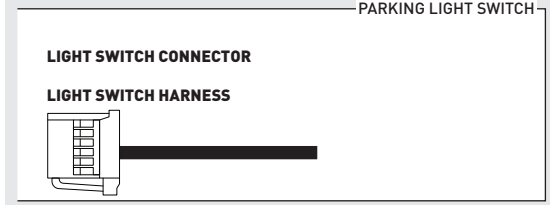
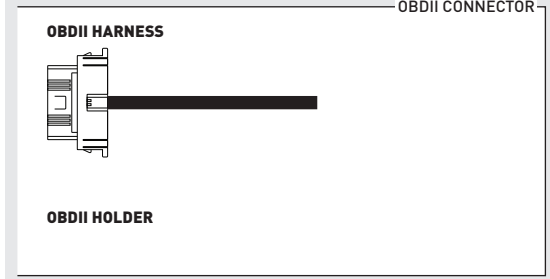
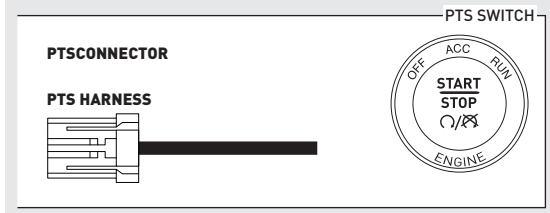
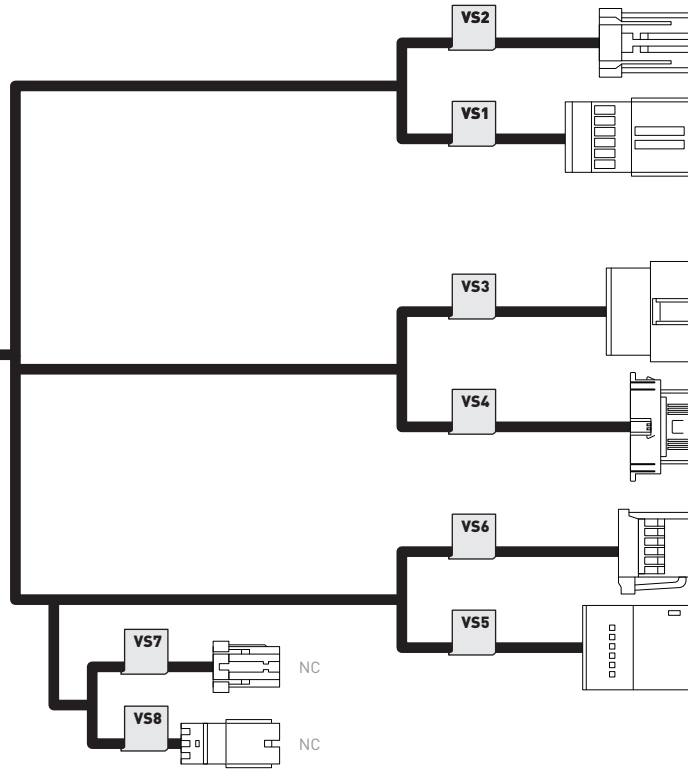


MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
DODGE	Durango PTS AT	14-17	CanH	~	Black	16 pin	06	Gray/White	(DATA)	OBDII connector	C
			CanL	~	Black	16 pin	14	Yellow	(DATA)	OBDII connector	C
			Parking Light	~	Black	06 pin	03	White/Green or White/Brown	(MUX)	Parking light switch	A
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM above passenger kick panel	~
			Horn	~	~	~	~	~	(-)	~	~



ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20  
**NOTE 1**  
[SEE NEXT PAGE]

PURPLE (NC)



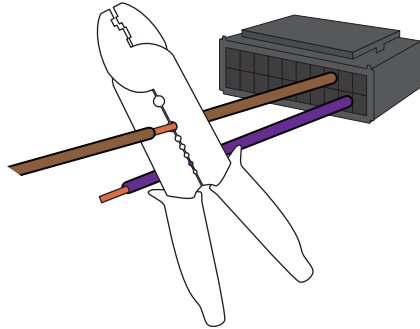
HOOD STATUS (-) - 11

HORN (-)   
OPTIONAL

**NOTE 1**

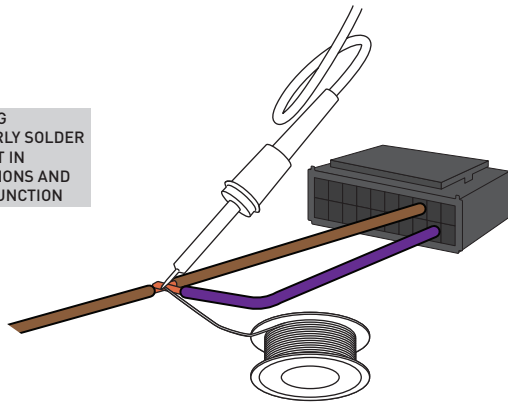
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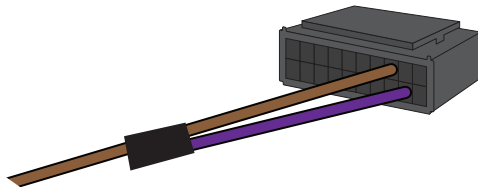


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

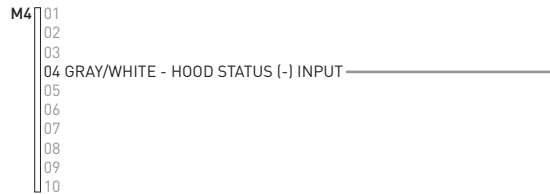
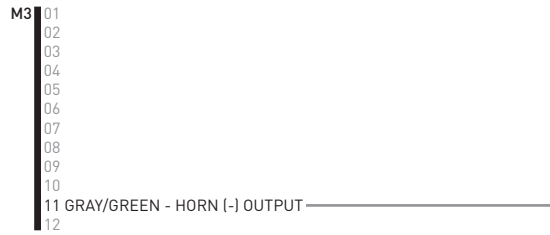
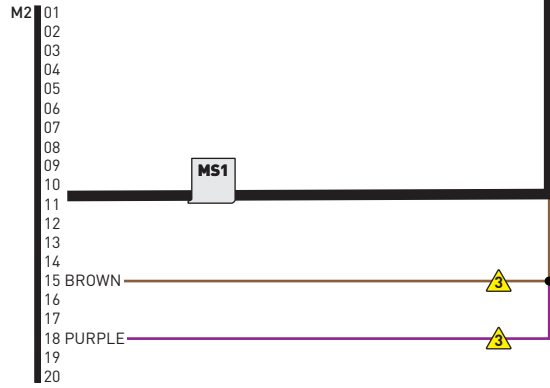
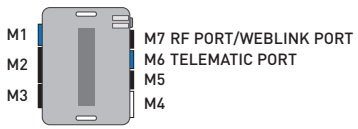
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- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.



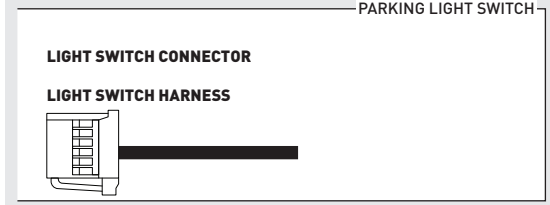
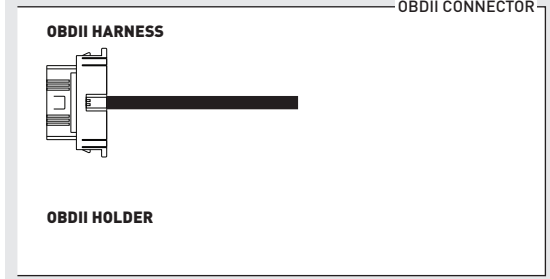
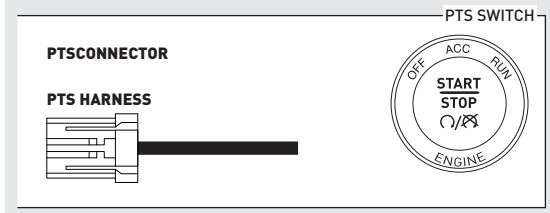
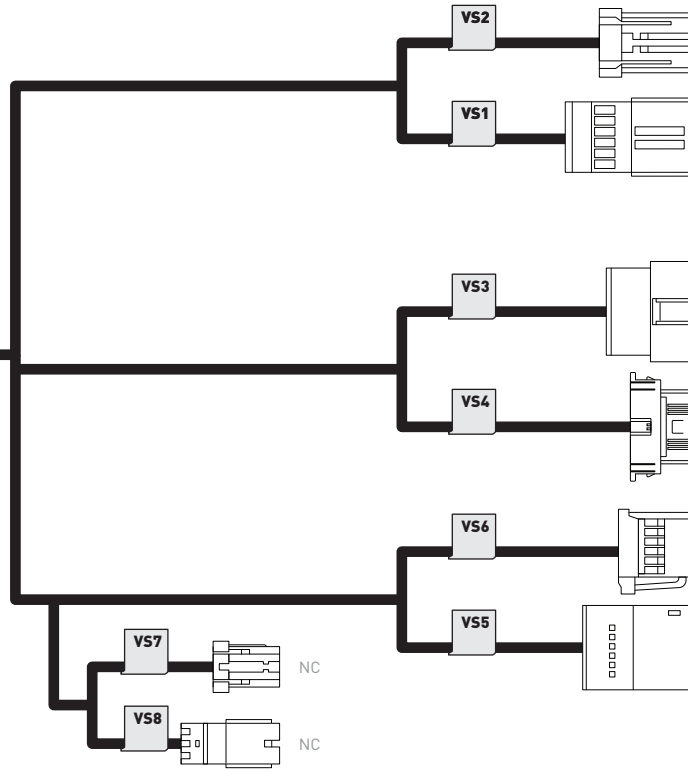
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
DODGE	Dart PTS AT	13-16	CanH	~	Black	16 pin	06	Gray/White	[DATA]	OBDI under driver side dash	~
			CanL	~	Black	16 pin	14	Yellow	[DATA]	OBDI under driver side dash	~
			Parking Light	~	Black	06 pin	03	White/Brown	[MUX]	Parking light switch	~
			Horn	~	~	~	~	~	(-)	~	~



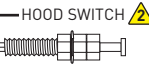
PURPLE (NC)

ONLY FOR ADS-HRN(RS)-CHR10 VER1.20

**NOTE 1**  
(SEE NEXT PAGE)



HORN (-) ⚠️  
OPTIONAL ⚠️

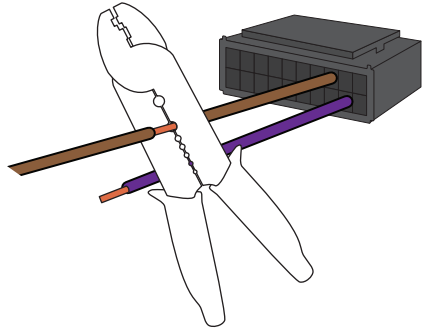


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**NOTE 1**

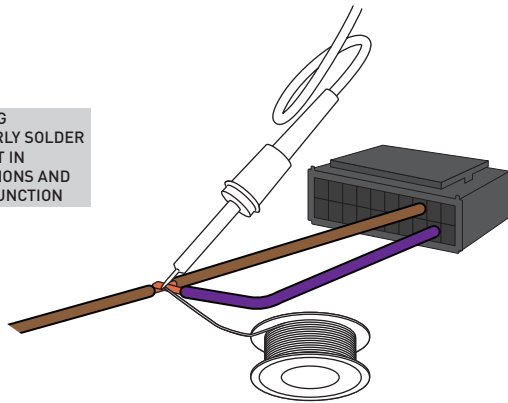
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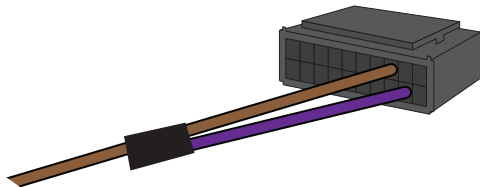


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CAN RESULT IN  
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PRODUCT MALFUNCTION

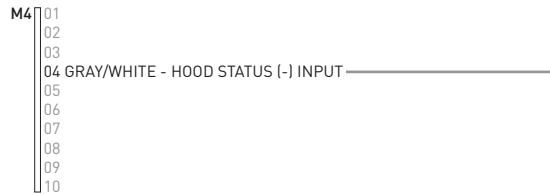
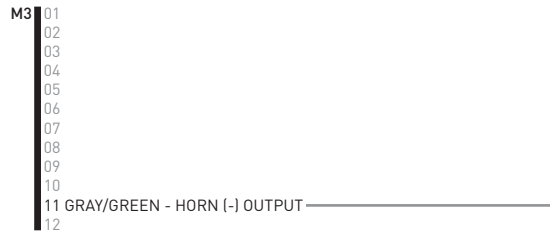
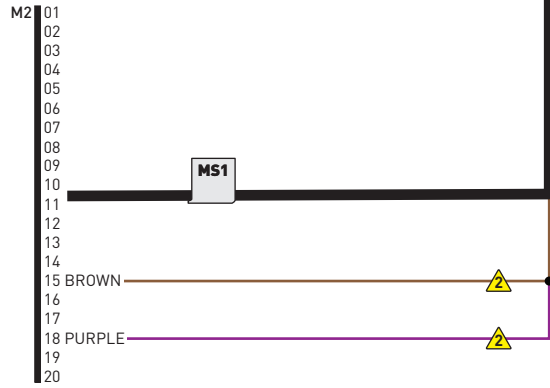
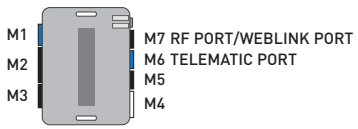


- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.

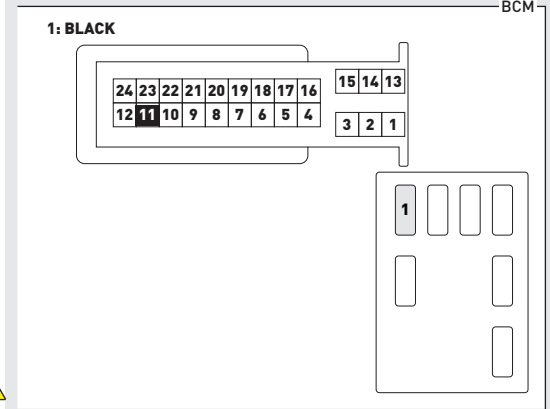
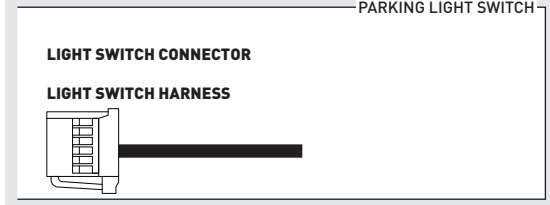
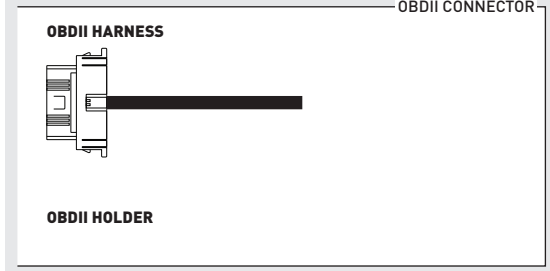
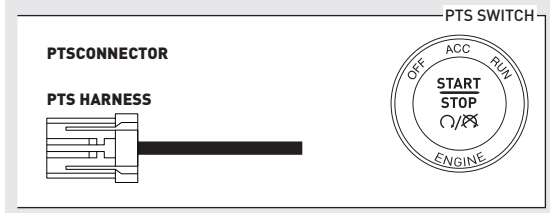
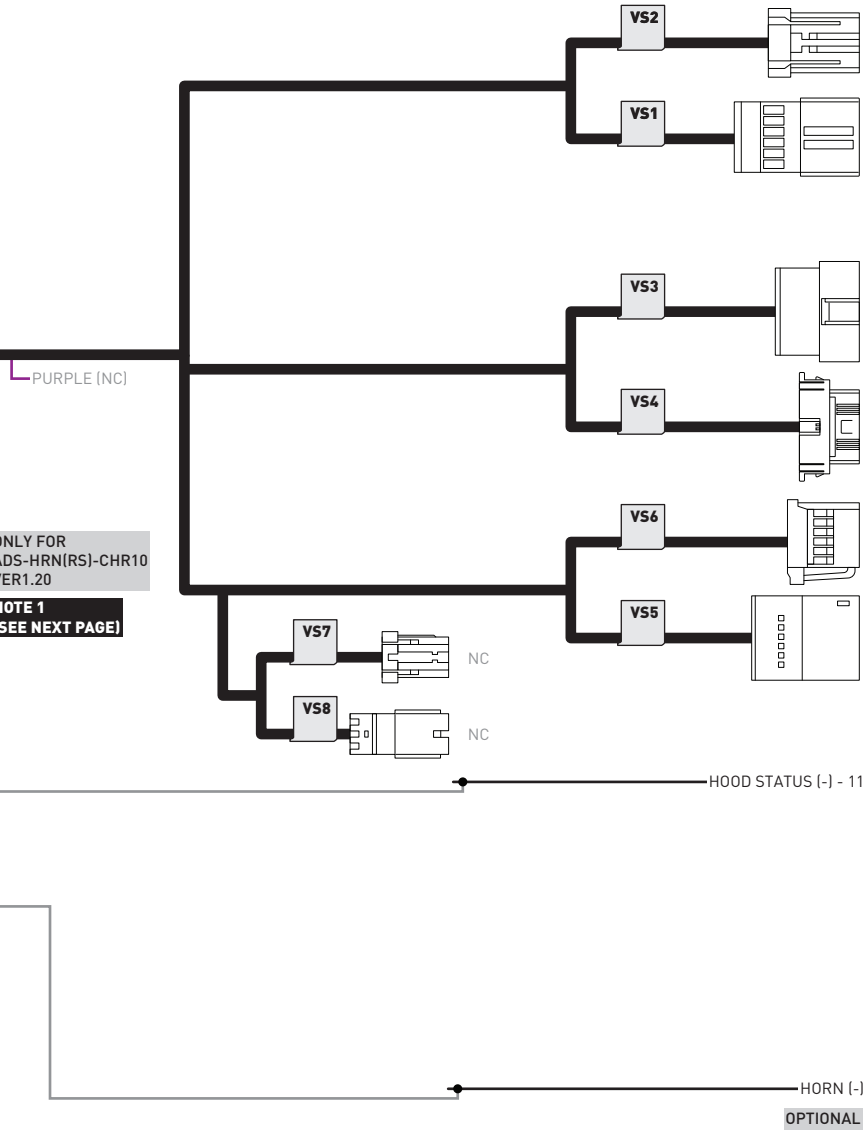




MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
DODGE	Challenger PTS AT	15-17	CanH	~	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	~	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM behind glove box	~
			Horn	~	~	~	~	~	(-)	~	~
	Charger PTS AT	11-17	CanH	~	Black	16 pin	06	Gray/White	(DATA)	OBDII under driver side dash	~
			CanL	~	Black	16 pin	14	Yellow	(DATA)	OBDII under driver side dash	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM behind glove box	~
			Horn	~	~	~	~	~	(-)	~	~



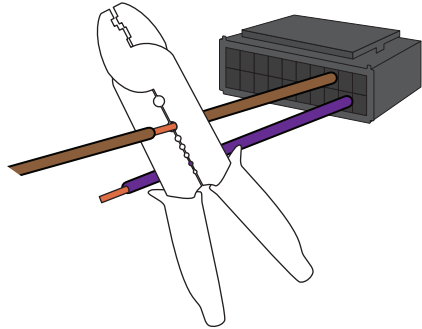
ONLY FOR ADS-HRN(RS)-CHR10 VER1.20  
**NOTE 1**  
(SEE NEXT PAGE)



**NOTE 1**

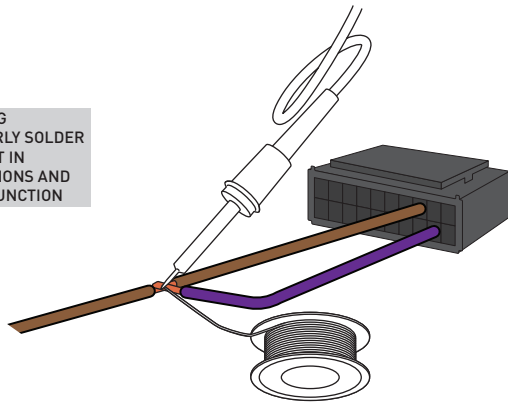
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20

- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

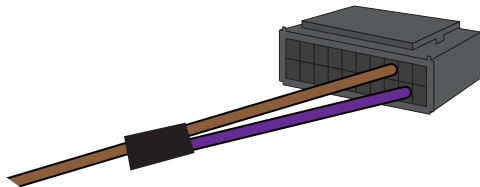


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

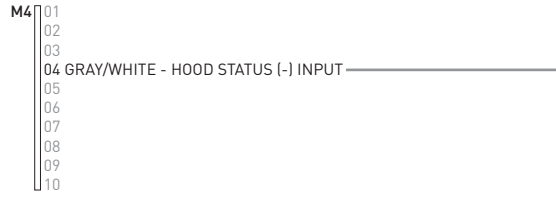
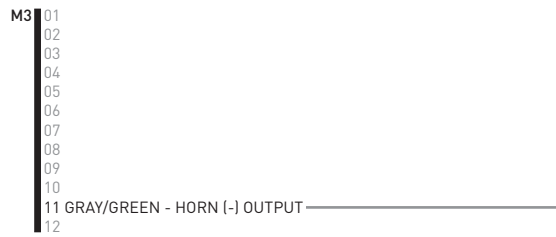
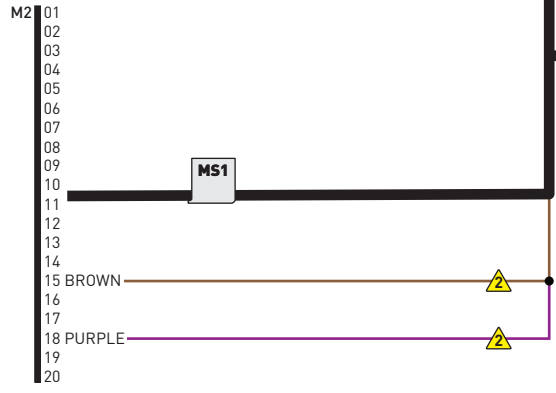
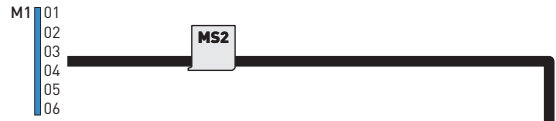
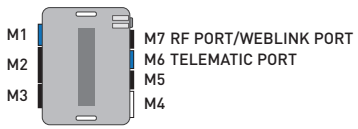
WARNING  
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PRODUCT MALFUNCTION



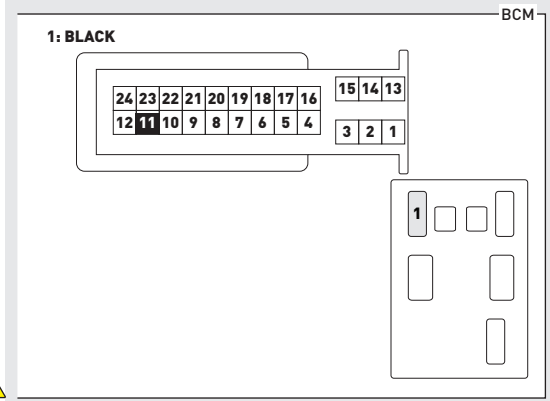
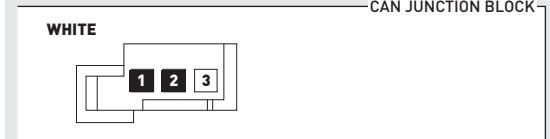
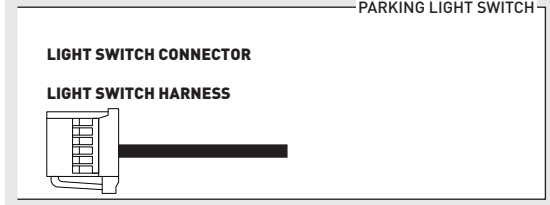
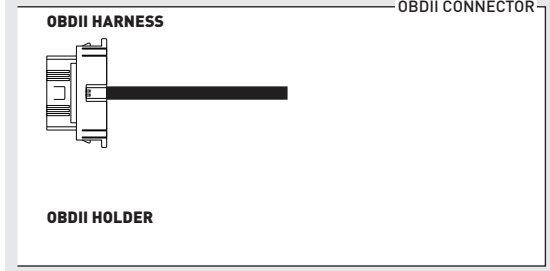
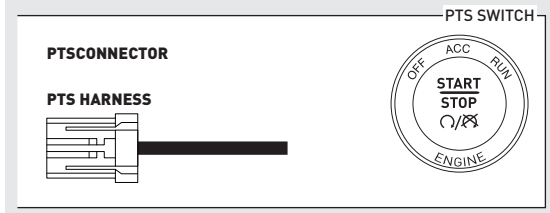
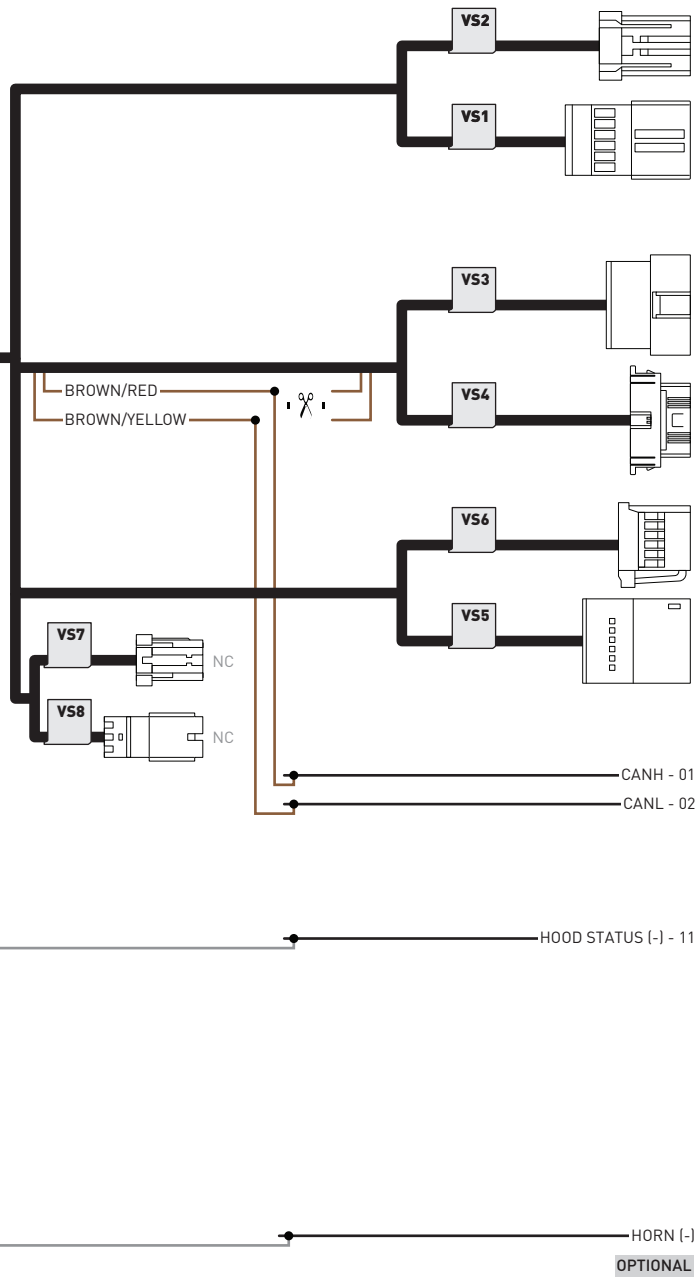
- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
DODGE	Durango PTS AT	18-20	CanH	~	White	03 pin	01	White/Green	(DATA)	Can junction block, left of driver side dash	~
			CanL	~	White	03 pin	02	White/Blue	(DATA)	Can junction block, left of driver side dash	~
			Parking Light	~	Black	06 pin	03	White/Green or White/Brown	(MUX)	Parking light switch	~
			Hood status	~	Black	24 pin	11	Purple/LtBlue	(-)	BCM, passenger kick panel	~
	Journey PTS AT	18-20	CanH	~	White	03 pin	01	White/Green	(DATA)	Can junction block, left of driver side dash	~
			CanL	~	White	03 pin	02	White/Blue	(DATA)	Can junction block, left of driver side dash	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Horn	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM, passenger kick panel	~



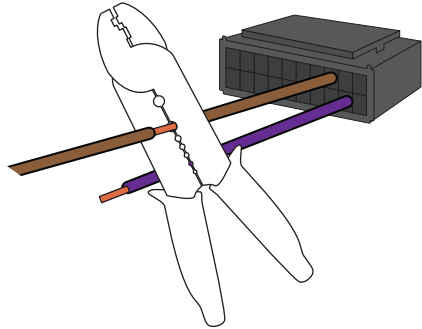
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20  
**NOTE 1**  
(SEE NEXT PAGE)



**NOTE 1**

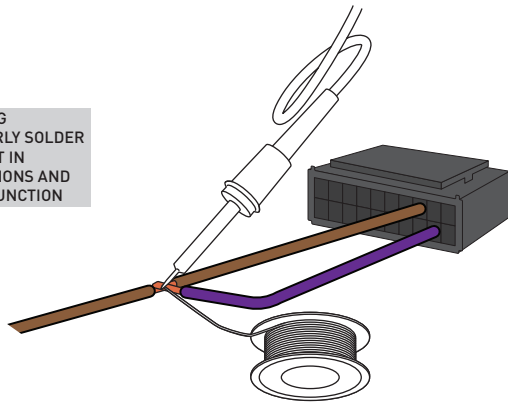
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20

- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

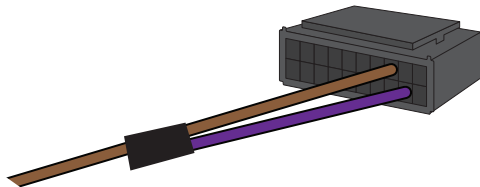


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

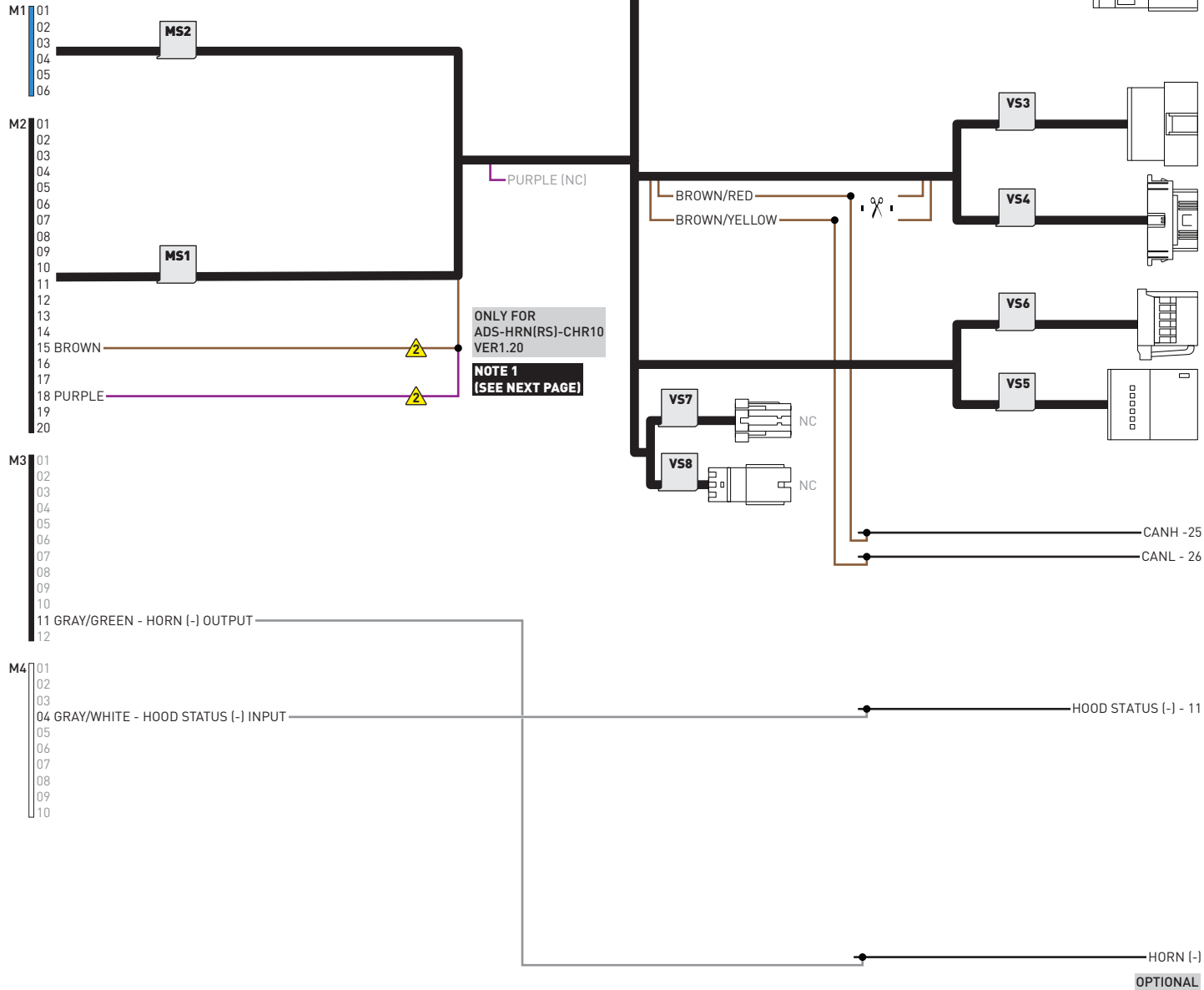
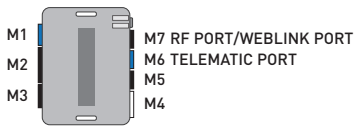
WARNING  
FAILURE TO PROPERLY SOLDER  
CAN RESULT IN  
FAULTY CONNECTIONS AND  
PRODUCT MALFUNCTION



- 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	300 PTS AT	18	CanH	C5	Black	48 pin	25	Brown	(DATA)	BCM, passenger kick panel	~
			CanL	C5	Black	48 pin	26	Yellow	(DATA)	BCM, passenger kick panel	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM, passenger kick panel	~
DODGE	Challenger PTS AT	18	CanH	C5	Black	48 pin	25	Brown	(DATA)	BCM, passenger kick panel	~
			CanL	C5	Black	48 pin	26	Yellow	(DATA)	BCM, passenger kick panel	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM, passenger kick panel	~
	Charger PTS AT	18	CanH	C5	Black	48 pin	25	Brown	(DATA)	BCM, passenger kick panel	~
			CanL	C5	Black	48 pin	26	Yellow	(DATA)	BCM, passenger kick panel	~
			Parking Light	~	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	~
			Hood Status	C1	Black	24 pin	11	Purple/LtBlue	(-)	BCM, passenger kick panel	~



PTS SWITCH

PTS CONNECTOR

PTS HARNESS

OFF ACC RUN  
START STOP  
ENGINE

OBDII CONNECTOR

OBDII HARNESS

OBDII HOLDER

PARKING LIGHT SWITCH

LIGHT SWITCH CONNECTOR

LIGHT SWITCH HARNESS

BCM

1: BLACK

48	47	46	45	44	43	42	41	40	39				
38	37	36	35	34	33	32	31	30	29	28	27	26	25
24	23	22	21	20	19	18	17	16	15	14	13	12	11
10	9	8	7	6	5	4	3	2	1				

2: BLACK

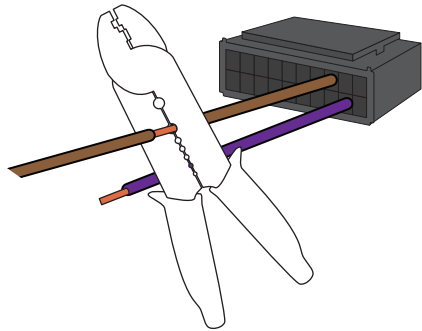
24	23	22	21	20	19	18	17	16	15	14	13
12	11	10	9	8	7	6	5	4	3	2	1



**NOTE 1**

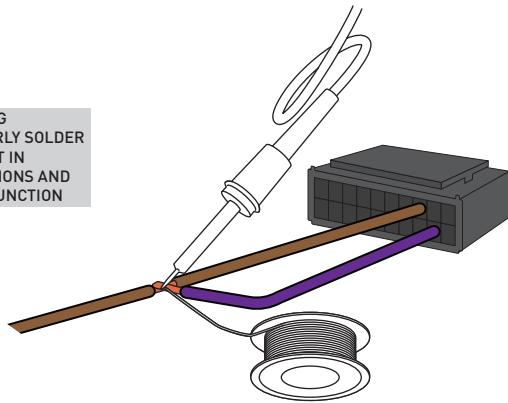
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20

- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

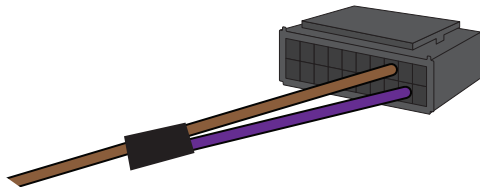


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

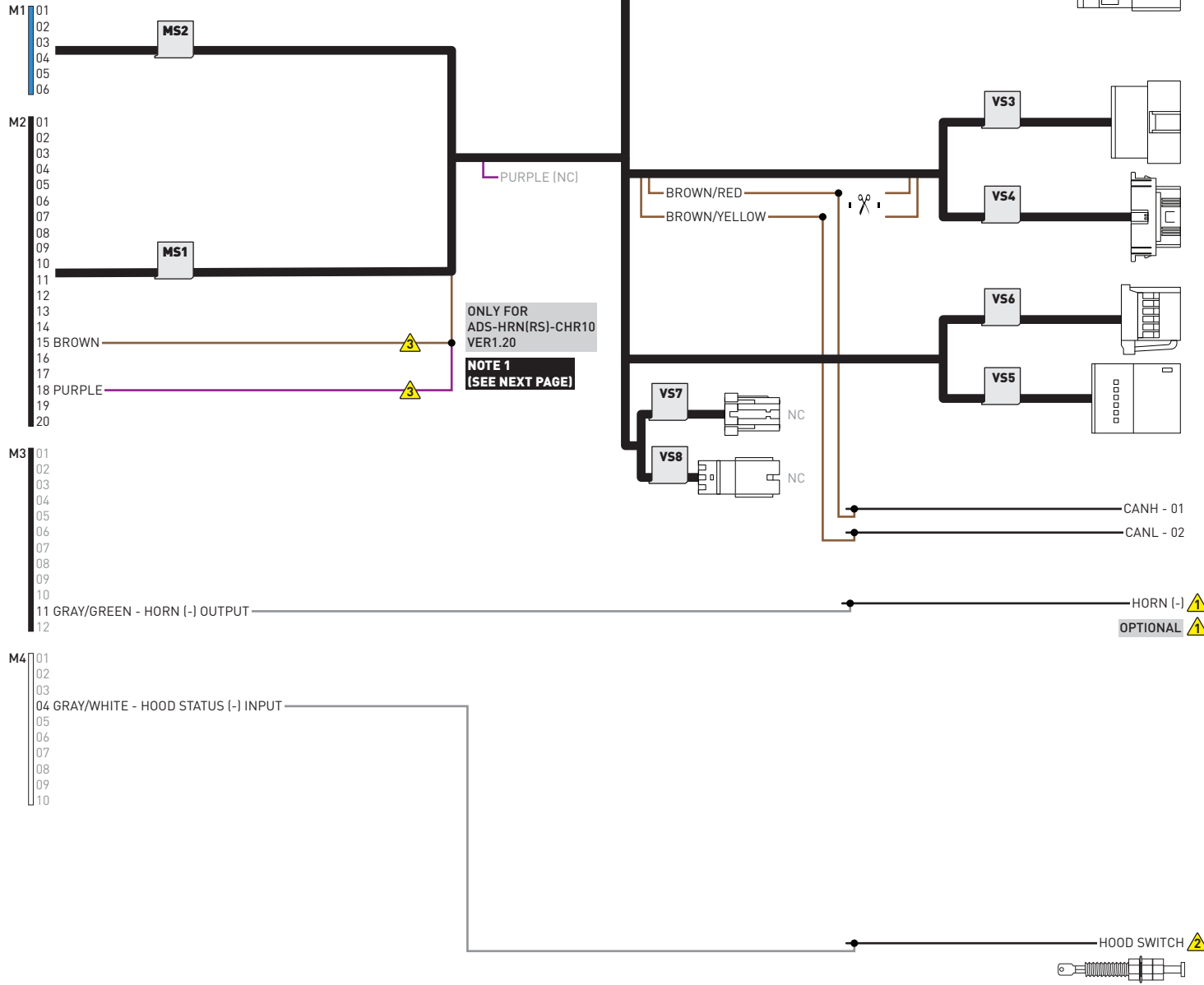
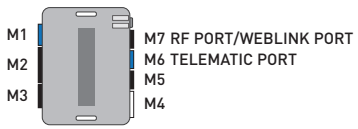
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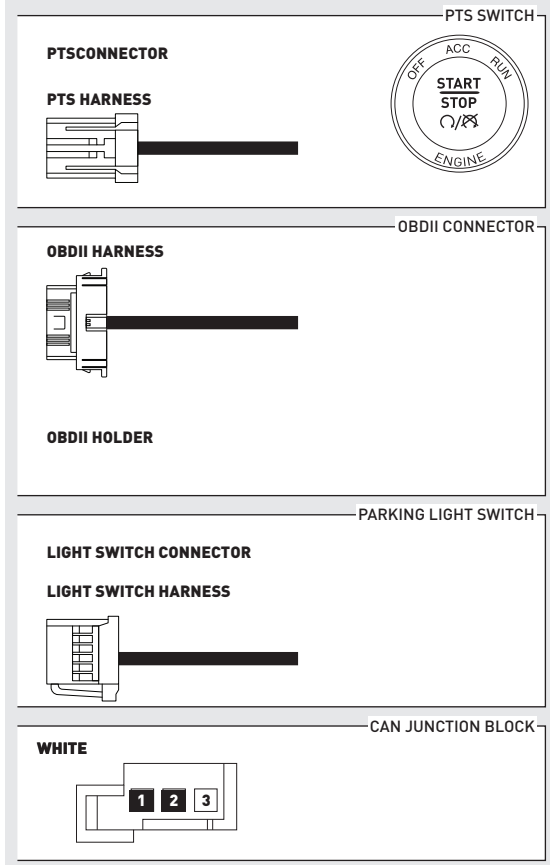
- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
JEEP	Grand Cherokee/ Grand Cherokee Diesel PTS AT	18-21	CanH	~	White	03 pin	01	White/Green	(DATA)	Can junction block, left of driver side dash	~
			CanL	~	White	03 pin	02	White/Blue	(DATA)	Can junction block, left of driver side dash	~
			Parking Light	D2442A	Black	10 pin	01	White/Green or Brown/White	(MUX)	Parking light switch	~



ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20  
**NOTE 1**  
(SEE NEXT PAGE)

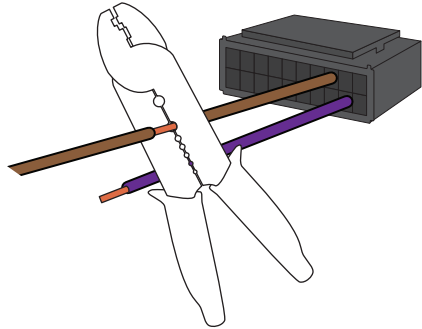


INSTALL THE SUPPLIED HOOD SWITCH IF THE VEHICLE IS NOT EQUIPPED WITH ONE. **!**

**NOTE 1**

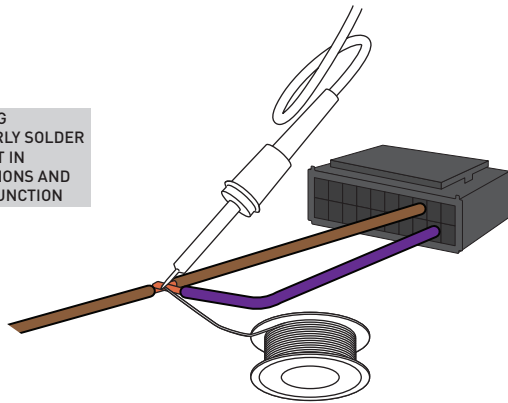
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20

- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

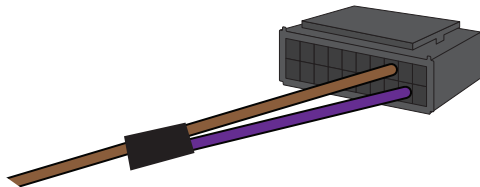


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

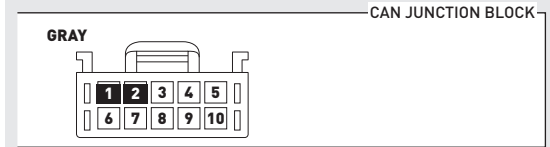
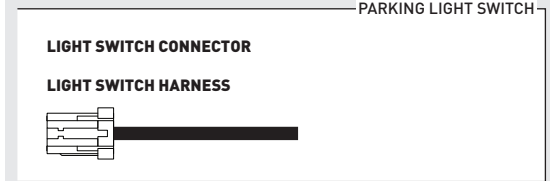
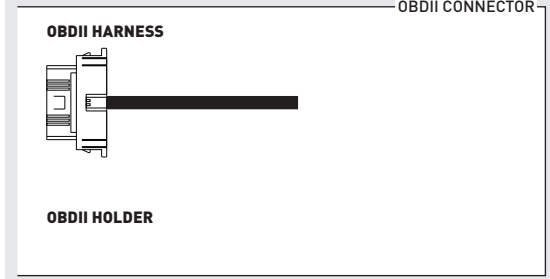
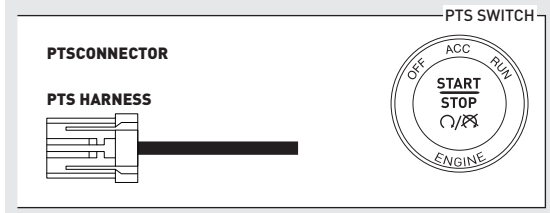
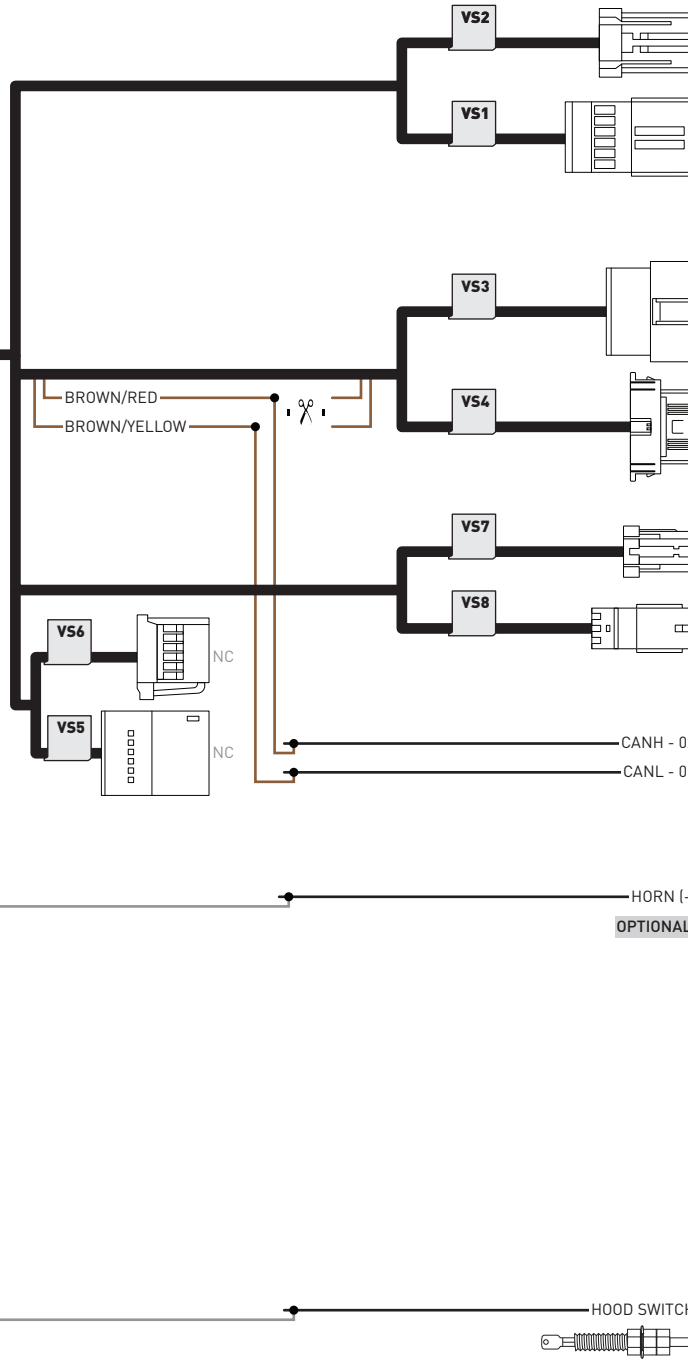
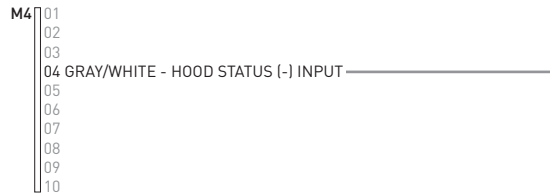
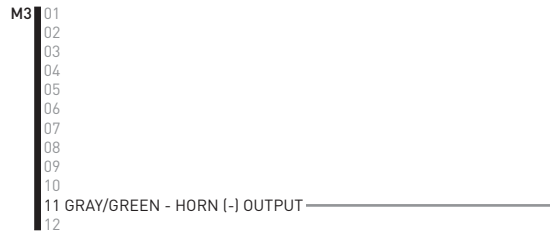
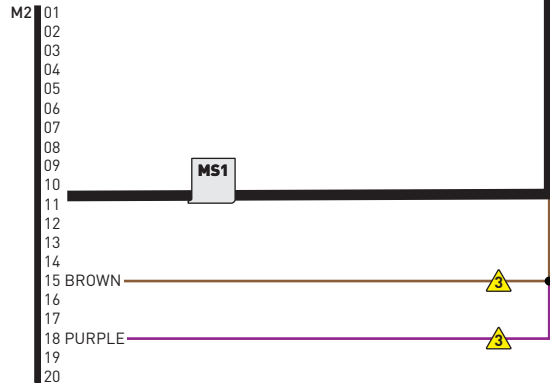
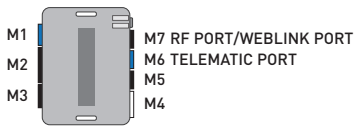
WARNING  
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- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
RAM	1500 / 2500 / 3500 PTS AT	18	CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
	1500 Classic PTS AT	19-20	CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
	1500 / 2500 / 3500 Diesel PTS AT	18	CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
	1500 Classic Diesel PTS AT	19-20	CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~

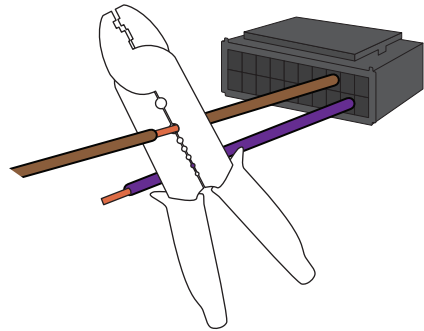


INSTALL THE SUPPLIED HOOD SWITCH IF THE VEHICLE IS NOT EQUIPPED WITH ONE. ⚠️

**NOTE 1**

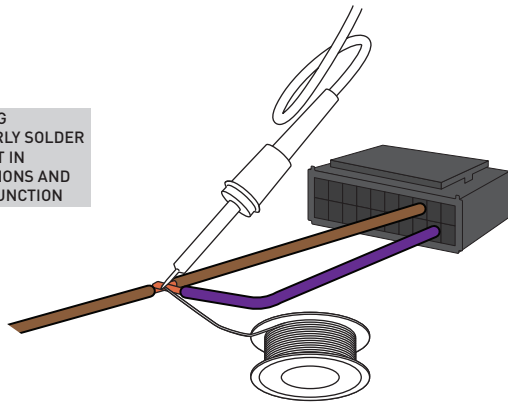
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20

- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

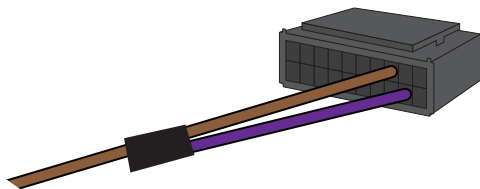


- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.

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

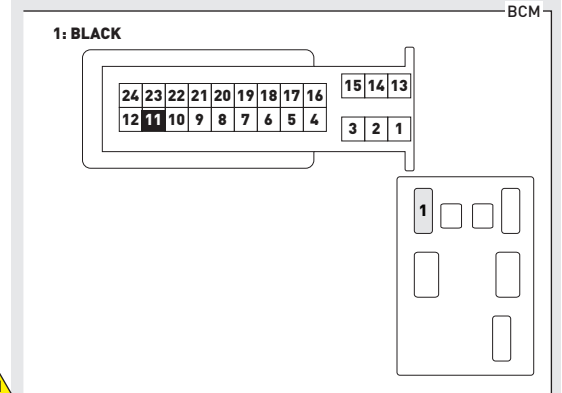
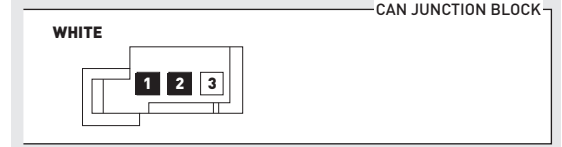
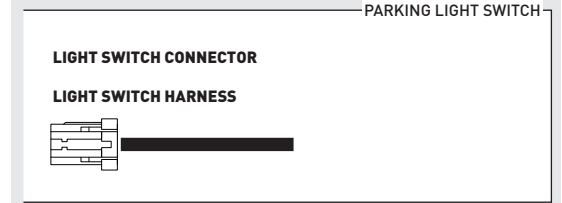
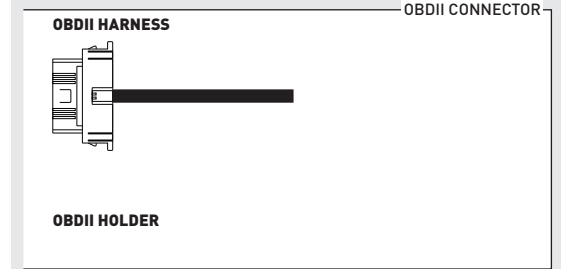
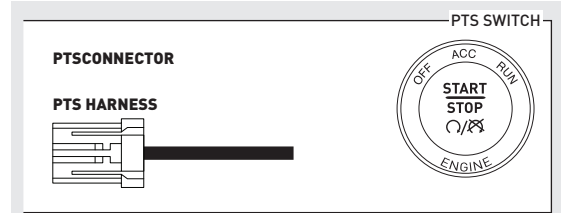
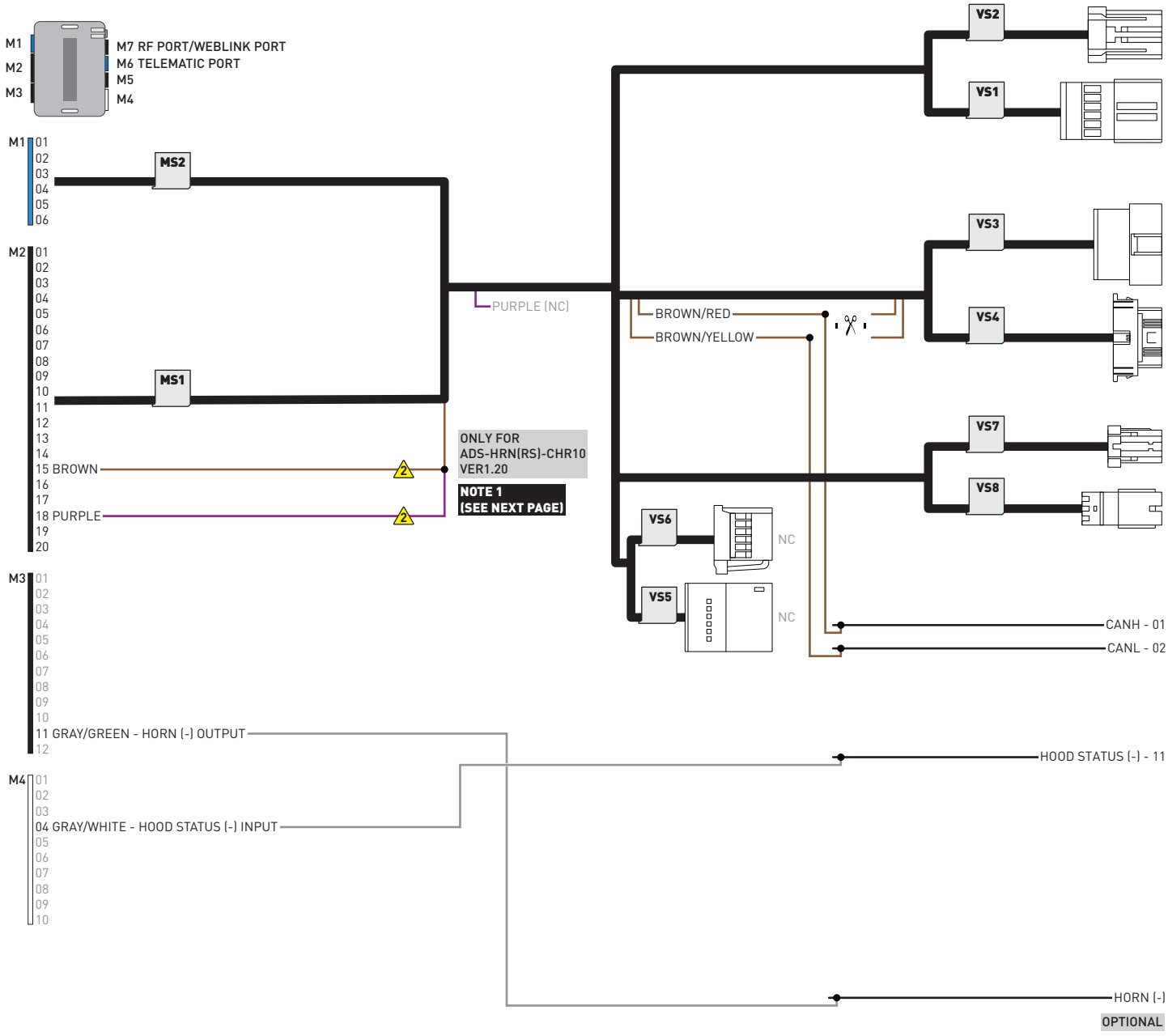


- STEP 3:
- INSULATE THE CONNECTIONS WITH ELECTRICAL TAPE.



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
DODGE	Durango PTS AT	21	CanH	~	White	03 pin	01	White/Green	(DATA)	Can junction block, left of driver side dash	~
			CanL	~	White	03 pin	02	White/Blue	(DATA)	Can junction block, left of driver side dash	~
			Parking Light	~	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Hood status	~	Black	24 pin	11	Purple/LtBlue	(-)	BCM, passenger kick panel	~

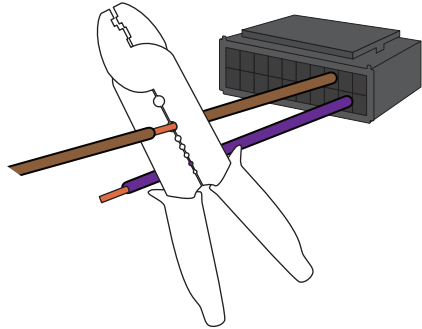




**NOTE 1**

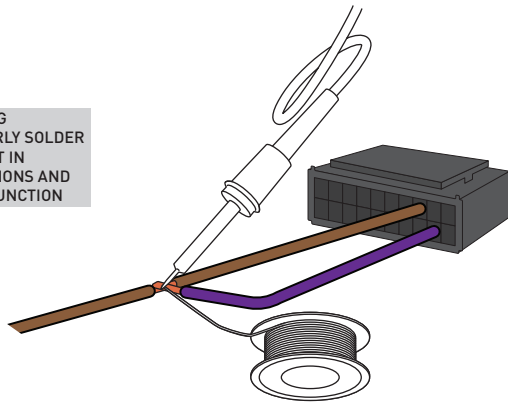
ONLY FOR  
ADS-HRN(RS)-CHR10  
VER1.20

- STEP 1:
- IDENTIFY THE PURPLE (PIN 18) AND BROWN (PIN 15) WIRES FROM THE 20 PIN BLACK CONNECTOR OF THE T-HARNESS.
  - CUT THE PURPLE WIRE.
  - CAREFULLY STRIP THE BROWN WIRE USING A WIRE STRIPPER.

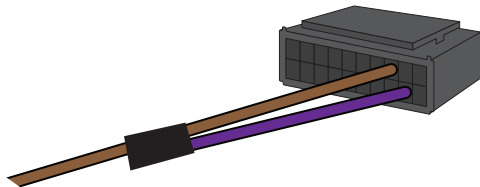



- STEP 2:
- CONNECT AND SOLDER THE PURPLE WIRE TO THE BROWN WIRE.


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





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




**01**  Close driver door. Re-open driver door to wake up data bus.


**02**  Press Unlock on keyfob 1.

**03**  Wait, LED will flash GREEN once [1x].


**04**  Remove valet key from keyfob 1.


**05**  Remove batteries from keyfob 1.


**06**  Push start button twice [2x] with keyfob 1 to ON position. (No battery)

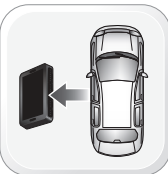
**07**  Wait, LED will turn solid RED.


**08**  Push start button once [1x] to OFF position.


**09**  Push start button twice [2x] with keyfob 1 to ON position. (No battery)


**10**  Wait, if LED flashes GREEN rapidly, proceed to step 11. If LED turns solid RED, repeat steps 8 to 10.


**11**  Push start button once [1x] to OFF position.


**12**  WARNING: Disconnect power last. Disconnect module from vehicle.

**13**  Connect module to computer and proceed with extended programming.

**14**  Connect power first. Connect module to vehicle.

**15**  Close driver door. Re-open driver door to wake up data bus.

**16**  Push start button twice [2x] with keyfob 1 to ON position. (No battery)

**17**  Wait, LED will turn solid GREEN for 2 seconds.

**18**  Push start button once [1x] to OFF position.

19



Insert battery in keyfob 1.

20



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.


>>

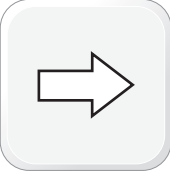


To exit valet mode: repeat steps 1 to 5.


<b>AFTERMARKET REMOTE PROGRAMMING: 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.

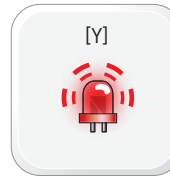
06  TO ACCESS THE SETTINGS: Press and hold programming button until LED 1 turns solid GREEN.


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: 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 <b>OFF</b> 02 ON
		02 RELOCK AFTER START	01 <b>OFF</b> 02 ON
		03 RELOCK AFTER SHUTDOWN	01 <b>OFF</b> 02 ON
		04 FORCE UNLOCK ALL ON FIRST PRESS	01 <b>OFF</b> 02 ON
		05 TAKEOVER	01 <b>ENABLE</b> 02 DISABLE*
		06 N/A	01 N/A
		07 N/A	01 N/A
		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 <b>15 MIN</b>
		09 WAIT TO START DELAY	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 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.



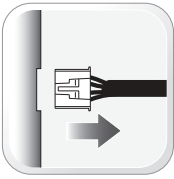
MODULE NAVIGATION CHART: NOTES	[X] MENUS	[Y] OPTIONS	[Z] SETTINGS								
	01 CONFIGURATION	14 HORN EVENT TRIGGER	<table border="1"> <tr><td>01</td><td><b>DOUBLE LOCK</b></td></tr> <tr><td>02</td><td>LOCK + UNLOCK</td></tr> <tr><td>03</td><td>LOCK + UNLOCK + START</td></tr> <tr><td>04</td><td>DOUBLE LOCK + START</td></tr> </table>	01	<b>DOUBLE LOCK</b>	02	LOCK + UNLOCK	03	LOCK + UNLOCK + START	04	DOUBLE LOCK + START
01	<b>DOUBLE LOCK</b>										
02	LOCK + UNLOCK										
03	LOCK + UNLOCK + START										
04	DOUBLE LOCK + START										
		15 HORN CHIRPS WIDTH	<table border="1"> <tr><td>01</td><td><b>30 mSEC</b></td></tr> <tr><td>02</td><td>15 mSec</td></tr> <tr><td>03</td><td>60 mSec</td></tr> </table>	01	<b>30 mSEC</b>	02	15 mSec	03	60 mSec		
01	<b>30 mSEC</b>										
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.

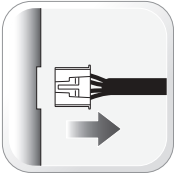
REMOTE STARTER ERROR CODES: NOTES	[X] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	03	Foot brake is ON.
	04	Hood is open.
II After a remote starter failure, the parking lights will flash [X] number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



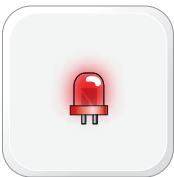
**03** PRESS AND HOLD the module's programming button while connecting the BLACK 20-PIN connector.



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



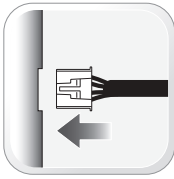
**05** LED 1 will turn RED for 2 seconds.



**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 OEM keyfobs must be at least 10 feet away from the vehicle. All vehicle doors must be closed and locked prior to remote start sequence. Failure to comply will result in remote starter malfunction.

01



Time restriction. Complete steps 2 to 5 within 45 seconds.

02



Press unlock on OEM or aftermarket remote.

03



Open driver door and enter vehicle.

04



Close driver door.

05



Press and release BRAKE pedal.

06



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.
	<b>Question 1:</b> 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.
	<b>Question 2:</b> 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.
	<b>Question 3:</b> 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.
	<b>Question 4:</b> 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.
	<b>Question 5:</b> 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.
	<b>Question 6:</b> 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.
	<b>Question 7:</b> 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
	<b>Question 8:</b> 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.
	<b>Question 9:</b> 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.
	<b>Question 10:</b> 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.