



MODEL
OL-HRN-RS-CH5

GUIDE ID
CH5_AL-XX70-B_RS-X70_20230330

AVAILABLE ACCESSORIES
OL-HRN-RS-PWR
(Adapt to any brand remote start w/ BLADE or OL-MDB-ALL / FL-CAN / ADS-AL-CA)

VEHICLE COMPATIBILITY

For AL-XX70-B installations see pages 3-18
For RS-X70 installations see pages 19-34

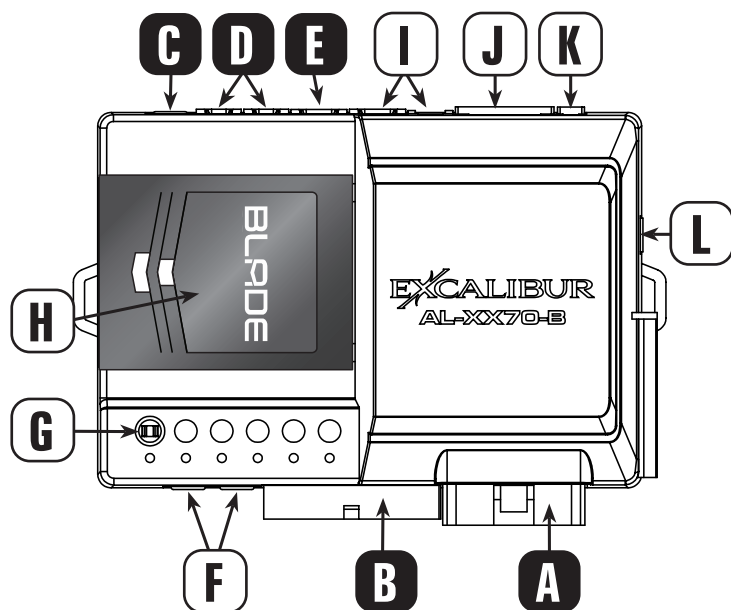
Make	Model	Trim	Years	Firmware	Diagram
Chrysler	200	Std. Key Automatic	2011 - 2014	DL-CH5	2
Chrysler	300	Std. Key Automatic	2005 - 2007	DL-CH5	1
Chrysler	Aspen	Std. Key Automatic	2007 - 2009	DL-CH5	2
Chrysler	PT Cruiser	Std. Key Automatic	2006 - 2010	DL-CH5	1
Chrysler	PT Cruiser	Std. Key Manual	2006 - 2010	DL-CH5	3
Chrysler	Sebring	Std. Key Sedan Automatic	2007 - 2010	DL-CH5	2
Chrysler	Sebring	Std. Key Sedan Manual	2007 - 2010	DL-CH5	4
Chrysler	Sebring	Std. Key Convertible Automatic	2008 - 2010	DL-CH5	2
Dodge	Avenger	Std. Key Automatic	2008 - 2014	DL-CH5	2
Dodge	Caliber	Std. Key (w/ starter wire) Automatic	2007 - 2007	DL-CH5	1
Dodge	Caliber	Std. Key Automatic	2007 - 2012	DL-CH5	2
Dodge	Caliber	Std. Key Manual	2007 - 2012	DL-CH5	4

DISCLAIMER: The manufacturer of this product nor its affiliates accept any responsibility for any electrical damage to the vehicle or any other connected systems as a result of improper installation of this product. All wiring connections & vehicle compatibility must be verified by a professionally qualified technician prior to installation.

VEHICLE COMPATIBILITY (cont.)

Make	Model	Trim	Years	Firmware	Diagram
Dodge	Charger	Std. Key Automatic	2006 - 2007	DL-CH5	1
Dodge	Durango	Std. Key Automatic	2007 - 2009	DL-CH5	2
Dodge	Durango	Std. Key Hybrid Automatic	2009 - 2009	DL-CH5	2
Dodge	Magnum	Std. Key Automatic	2005 - 2007	DL-CH5	1
Dodge	Nitro	Std. Key Automatic	2007 - 2011	DL-CH5	2
Dodge	Nitro	Std. Key Manual	2007 - 2011	DL-CH5	4
Dodge	Ram 1500	Std. Key Automatic	2007 - 2008	DL-CH5	2
Dodge	Ram 1500	Std. Key Manual	2007 - 2008	DL-CH5	4
Dodge	Ram 2500	Std. Key Automatic	2007 - 2009	DL-CH5	2
Dodge	Ram 2500	Std. Key Manual	2007 - 2009	DL-CH5	4
Dodge	Ram 3500	Std. Key Automatic	2007 - 2009	DL-CH5	2
Dodge	Ram 3500	Std. Key Manual	2007 - 2009	DL-CH5	4
Dodge	Ram 4500	Std. Key Manual	2007 - 2009	DL-CH5	4
Dodge	Ram 4500	Std. Key Automatic	2007 - 2010	DL-CH5	2
Dodge	Ram 5500	Std. Key Manual	2007 - 2009	DL-CH5	4
Dodge	Ram 5500	Std. Key Automatic	2007 - 2010	DL-CH5	2
Jeep	Commander	Std. Key Automatic	2006 - 2007	DL-CH5	1
Jeep	Compass	Std. Key Automatic	2007 - 2017	DL-CH5	2
Jeep	Compass	Std. Key Manual	2007 - 2017	DL-CH5	4
Jeep	Grand Cherokee	Std. Key Automatic	2005 - 2007	DL-CH5	1
Jeep	Liberty	Std. Key Automatic	2008 - 2012	DL-CH5	2
Jeep	Liberty	Std. Key Manual	2008 - 2012	DL-CH5	4
Jeep	Patriot	Std. Key Automatic	2007 - 2017	DL-CH5	2
Jeep	Patriot	Std. Key Manual	2007 - 2017	DL-CH5	4
Jeep	Wrangler	Std. Key Automatic	2007 - 2017	DL-CH5	2
Jeep	Wrangler	Std. Key Manual	2007 - 2011	DL-CH5	4
Jeep	Wrangler	Std. Key Manual	2012 - 2017	DL-CH5	5
Jeep	Wrangler JK	Std. Key Automatic	2018 - 2018	DL-CH5	2
Jeep	Wrangler JK	Std. Key Manual	2018 - 2017	DL-CH5	5
Ram	4500	Tip-Start Diesel Automatic	2010 - 2010	DL-CH5	2
Ram	5500	Tip-Start Diesel Automatic	2010 - 2010	DL-CH5	2

AL-XX70-B Layout



- A** WHITE 6 PIN HIGH CURRENT POWER HARNESS (P/N: H-RS6E*)
- B** WHITE 18 PIN MAIN INPUT/OUTPUT HARNESS (P/N: H-RS18A)
- C** RED 4 PIN DOOR LOCK/UNLOCK HARNESS (P/N: DLP-N4)
- D** RED 3 PIN REMOTE START HARNESS (P/N: RS-OUTPUT)
- E** WHITE 4 PIN AUXILIARY HARNESS (P/N: H-RS4)
- F** WHITE 4 PIN PLUG-IN SENSOR PORTS (harness included w/ optional sensors)
- G** TEMPERATURE SENSOR - **DO NOT COVER**
(For high/low temp auto start and for automatic low temp crank extender)
- H** BLADE CARTRIDGE PORT - For OL-BLADE-AL64 or OL-BLADE-TB
- I** GREEN & BLACK DATA PORTS - For Telematics / Data Sensor (Shock, Tilt, etc) / Vehicle Interface Module.
(DBI & iDatalink protocols supported on both ports - see 'Vehicle Learn' or installer feature #12)
- J** BLADE HARNESS PORT - Use harness from BLADE or an 'OL-HRN-RS' T-Harness.
- K** ANTENNA / STATUS LIGHT / VALET PORT - Supports compatible plug-in antennas or push-button status light
(P/N: AU-LED-PB2)
- L** BACKUP BATTERY PORT - Uses standard 9v battery with bracket & plug. Featuring PowerMaze technology - only supports security critical functions!

AL-XX70-B Installation Steps

INSTALLATION STEPS:

- 1) Go to [OmegaWeblink.com](https://www.omegalink.com) or use WebLink Mobile to flash the OL-BLADE-AL64 with the firmware matching the vehicle.
NOTE: If OEM remote is being used to activate the remote start be sure to enable "Factory keyless RS sequence" as "Lock + Lock + Lock" OR "Lock + Unlock + Lock"
- 2) While at [OmegaWeblink.com](https://www.omegalink.com), make sure the AL-XX70-B is updated to v1.5 FW or higher.
- 3) Make all the connections shown in the diagram on the following pages.
- 4) Connect any optional hardware as needed.
- 5) Program the OL-BLADE-AL64 to the vehicle (see "BLADE Programming" on the following pages).
- 6) Perform Vehicle Learn to configure the remote start to match the vehicle (see "AL-XX70-B Programming/Vehicle Learn" on the following pages).
NOTE: If Vehicle Learn is not performed remote start operation could fail.
- 7) Test the system for all desired functions.

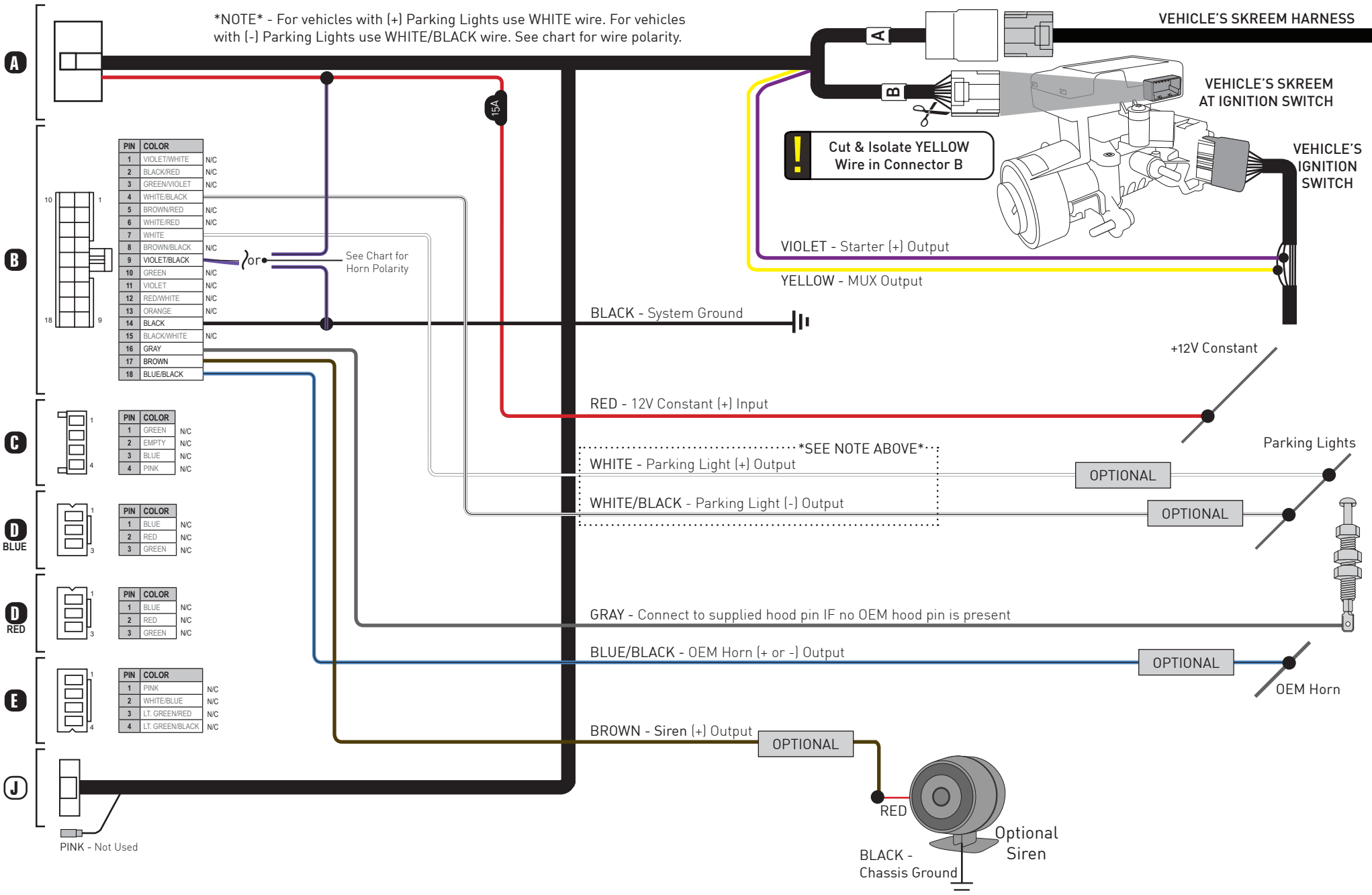
NOTE: Any features NOT supported by the interface module must be hard wired from the remote start to the vehicle. Refer to the remote start install guide and vehicle wiring info at www.wiresheet.com (only available for authorized dealers) for instructions.

Wire Location Chart Diagram #1

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	300	Std. Key Automatic	2005 - 2007	12V	BLACK	16	16	LT. BLUE/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Passenger Kick Harness To Rear
Chrysler	PT Cruiser	Std. Key Automatic	2006 - 2010	12V	BLACK	16	16	RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/LT. BLUE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	GRAY/YELLOW	(+)	Horn Under Right Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Kick Panel Harness to Rear
Dodge	Caliber	Std. Key (w/ starter wire) Automatic	2007 - 2007	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Charger	Std. Key Automatic	2006 - 2007	12V	BLACK	16	16	LT. BLUE/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood Passenger side
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Passenger Kick Harness To Rear
Dodge	Magnum	Std. Key Automatic	2005 - 2007	12V	BLACK	16	16	LT. BLUE/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Passenger Kick Harness To Rear
Jeep	Commander	Std. Key Automatic	2006 - 2007	12V	BLACK	16	16	LT. GREEN/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/ORANGE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood Passenger side
				Parking Lights	Relay	5	1	RELAY PIN	(-)	Integrated Power Module Under Hood Driver Side
Jeep	Grand Cherokee	Std. Key Automatic	2005 - 2007	12V	BLACK	16	16	LT. GREEN/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/ORANGE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood Passenger side
				Parking Lights	Relay	5	1	RELAY PIN	(-)	Integrated Power Module Under Hood Driver Side

MODEL: OL-HRN-RS-CH5

AL-XX70-B Diagram #1



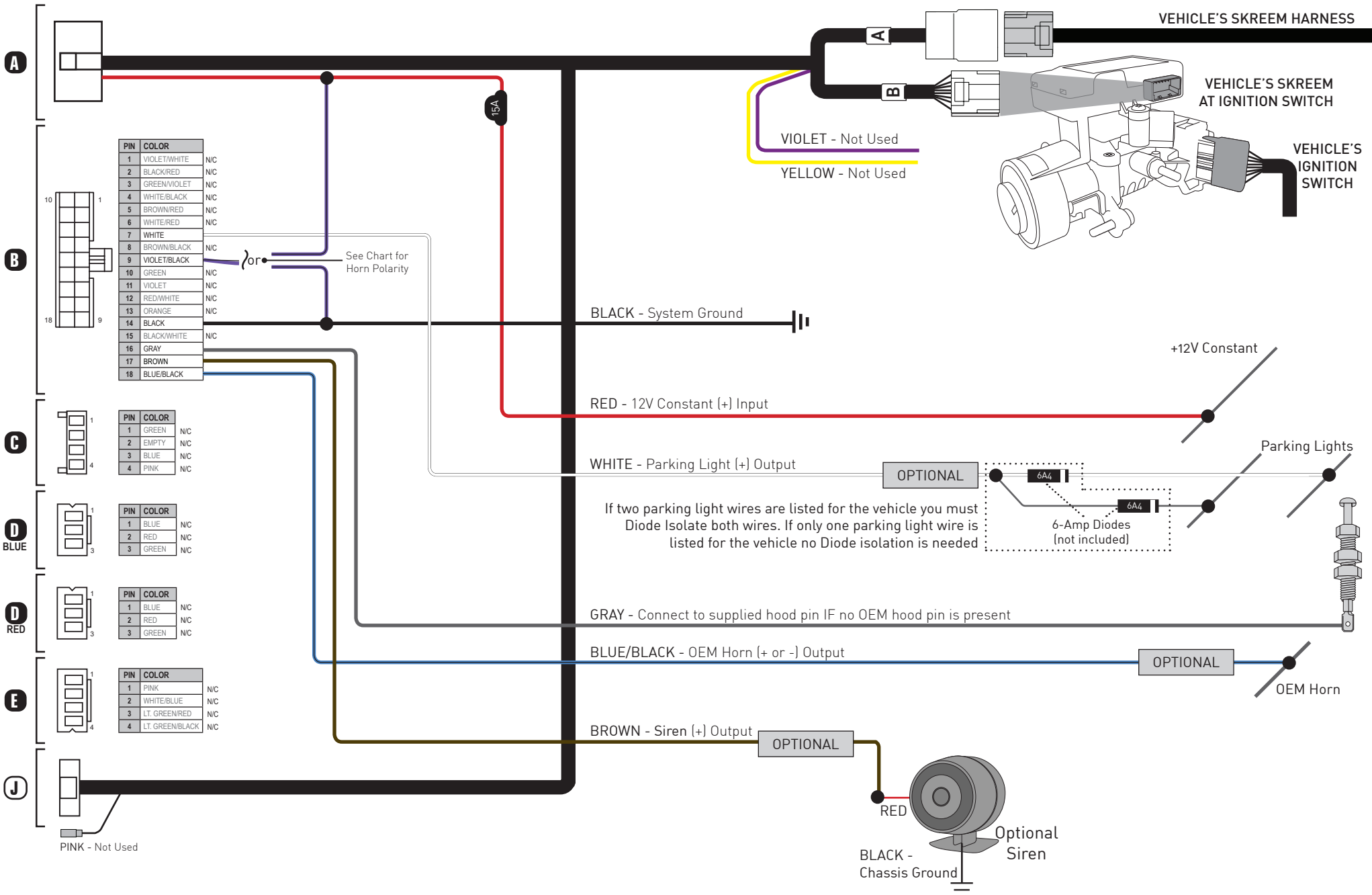
Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	200	Std. Key Automatic	2011 - 2014	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	BLACK	1	1	GRAY/YELLOW	(+)	Horns Under Hood Passenger Side
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Chrysler	Aspen	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights 1	BLACK	40	6	PINK/RED	(+)	Fuse Box in Driver Kick
				Parking Lights 2	BLACK	40	5	WHITE/ORANGE	(+)	Fuse Box in Driver Kick
Chrysler	Sebring	Std. Key Convertible Automatic	2008 - 2010	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Chrysler	Sebring	Std. Key Sedan Automatic	2007 - 2010	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Avenger	Std. Key Automatic	2008 - 2014	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Caliber	Std. Key Automatic	2007 - 2012	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Durango	Std. Key Automatic Std. Key Hybrid Automatic	2007 - 2009	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights 1	BLACK	40	6	PINK/RED	(+)	Fuse Box in Driver Kick
				Parking Lights 2	BLACK	40	5	WHITE/ORANGE	(+)	Fuse Box in Driver Kick
Dodge	Nitro	Std. Key Automatic	2007 - 2011	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights 1	-	-	-	WHITE/LT. GREEN	(+)	Driver Side Kick Harness to Rear
				Parking Lights 2	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Ram 1500	Std. Key Automatic	2007 - 2008	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Dodge	Ram 2500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Dodge	Ram 3500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake

Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Dodge	Ram 4500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Dodge	Ram 5500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Jeep	Compass	Std. Key Automatic	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Jeep	Liberty	Std. Key Automatic	2008 - 2012	12V	BLACK	16	16	WHITE/RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Jeep	Patriot	Std. Key Automatic	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Jeep	Wrangler	Std. Key Automatic	2007 - 2017	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
Jeep	Wrangler JK	Std. Key Automatic	2018 - 2018	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
Ram	4500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Ram	5500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake

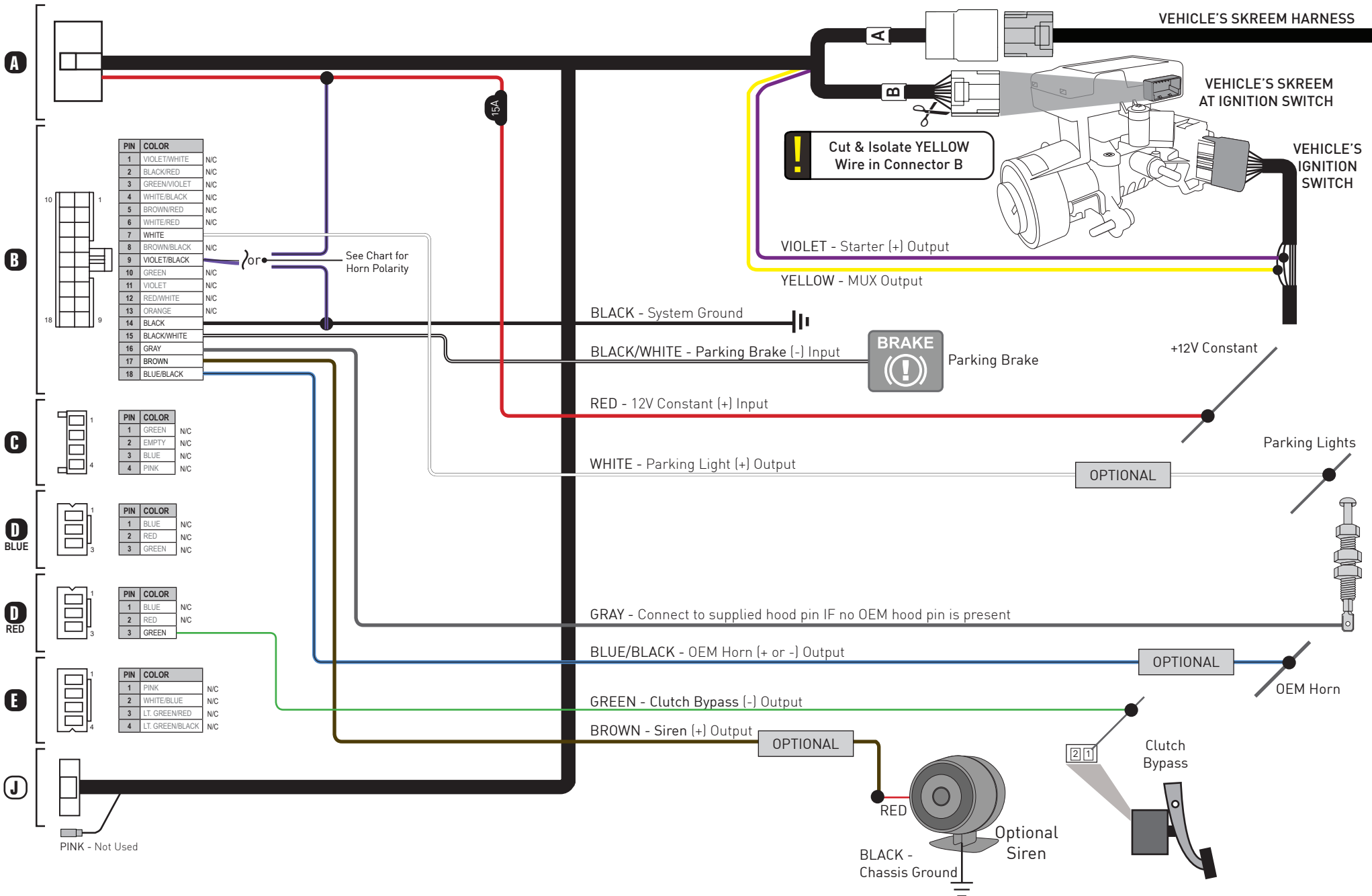
AL-XX70-B Diagram #2



Wire Location Chart Diagram #3

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	PT Cruiser	Std. Key Manual	2006 - 2010	12V	BLACK	16	16	RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/LT. BLUE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	GRAY/YELLOW	(+)	Horn Under Right Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Kick Panel Harness to Rear
				Parking Brake	BLACK	1	1	WHITE/BLACK	(-)	At Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	At Clutch Switch

AL-XX70-B Diagram #3



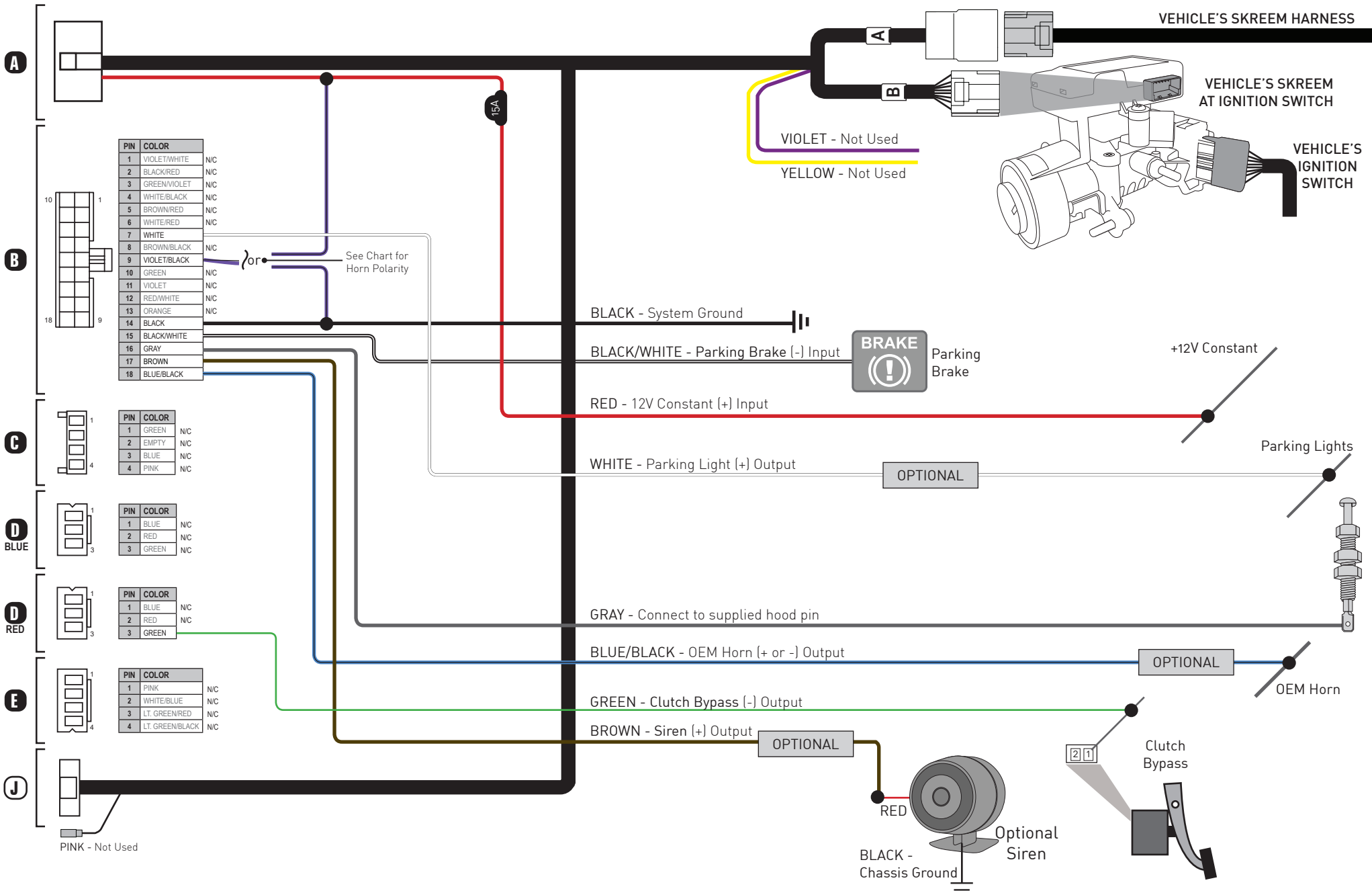
Wire Location Chart Diagram #4

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	Sebring	Std. Key Sedan Manual	2007 - 2010	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	GRAY	43	38	DK. GREEN/WHITE	(-)	Under Driver Dash or Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Caliber	Std. Key Manual	2007 - 2012	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	Clutch Switch
Dodge	Nitro	Std. Key Manual	2007 - 2011	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/LT. GREEN	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	-	-	YELLOW/ORANGE	(-)	Clutch Switch
Dodge	Ram 1500	Std. Key Manual	2007 - 2008	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Ram 2500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Ram 3500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Ram 4500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch

Wire Location Chart Diagram #4

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Dodge	Ram 5500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Jeep	Compass	Std. Key Manual	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/BLUE	(-)	Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	Clutch Switch
Jeep	Liberty	Std. Key Manual	2008 - 2012	12V	BLACK	16	16	WHITE/RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	GRAY	43	30	DK. GREEN/WHITE	(-)	Above Kick Panel or Parking Brake Switch
				Clutch Bypass	BLACK	3	2	YELLOW/DK. BLUE	(-)	Clutch Switch
Jeep	Patriot	Std. Key Manual	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/BLUE	(-)	Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	Clutch Switch
Jeep	Wrangler	Std. Key Manual	2007 - 2011	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	3	2	YELLOW/ORANGE	(-)	Clutch Switch

AL-XX70-B Diagram #4



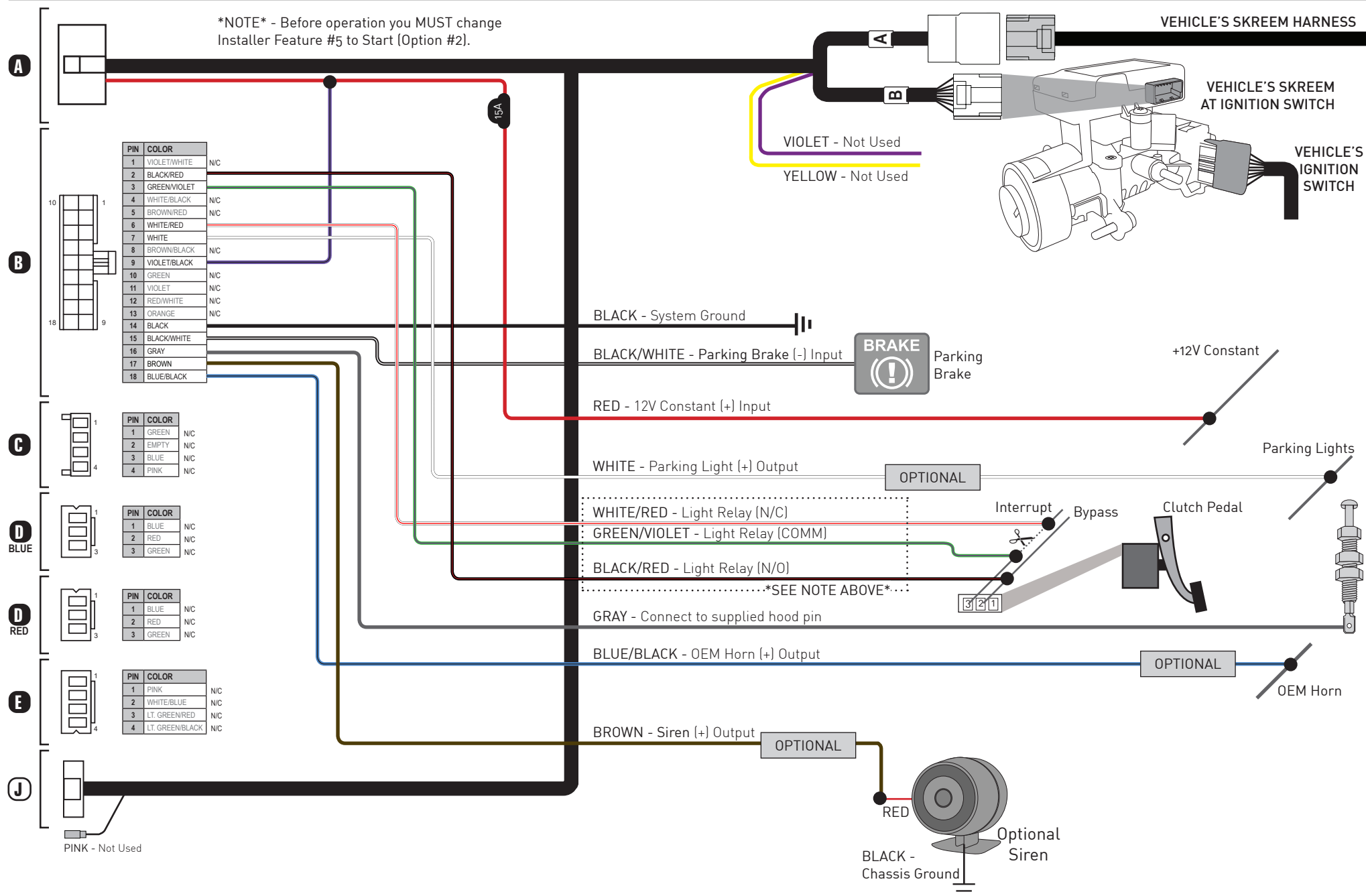
Wire Location Chart Diagram #5

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Jeep	Wrangler	Std. Key Manual	2012 - 2017	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	3	2	YELLOW/ORANGE	(-)	Clutch Switch
				Clutch Interrupt	-	3	3	GREEN/ORANGE	(NC)	Clutch Switch
Jeep	Wrangler JK	Std. Key Manual	2018 - 2018	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	3	2	YELLOW/ORANGE	(-)	Clutch Switch
				Clutch Interrupt	-	3	3	GREEN/ORANGE	(NC)	Clutch Switch

MODEL: OL-HRN-RS-CH5

AL-XX70-B Diagram #5

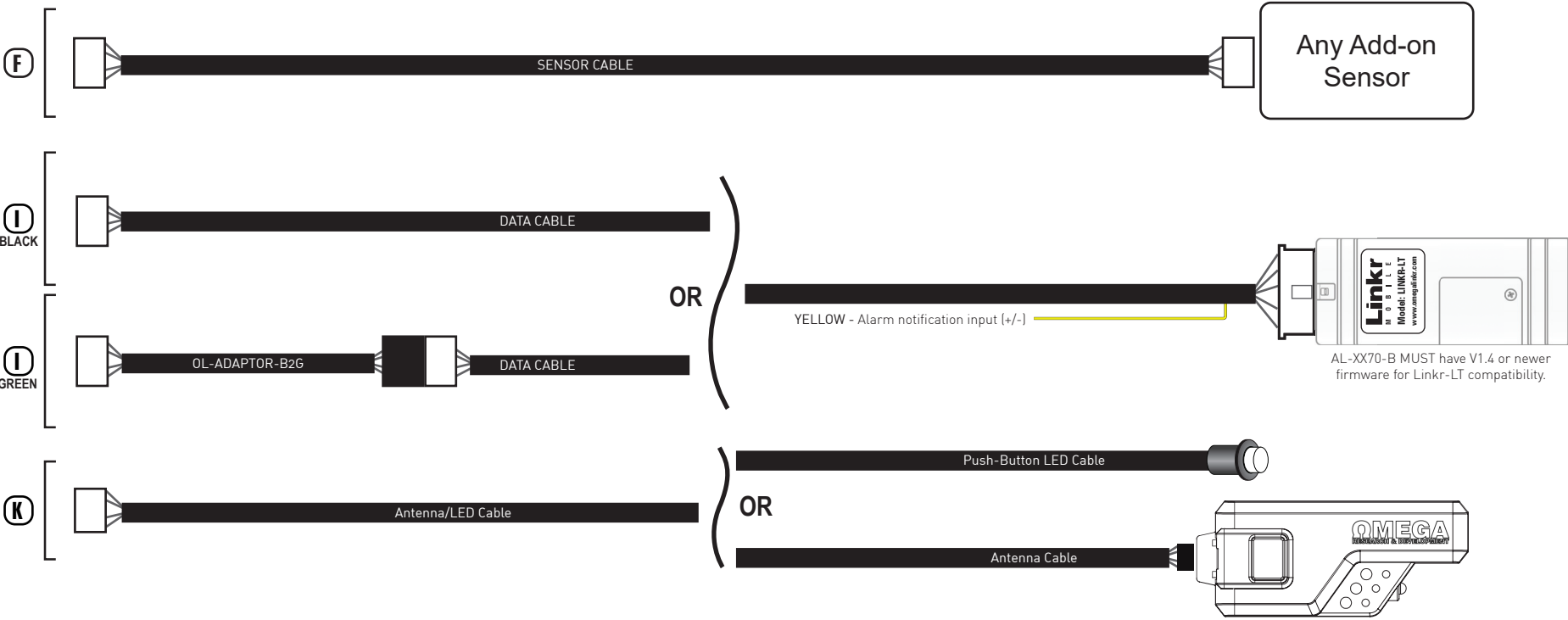
NOTE - Before operation you **MUST** change Installer Feature #5 to Start (Option #2).



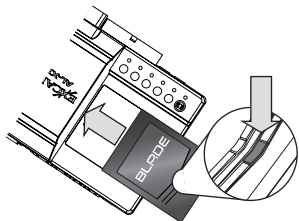
MODEL: OL-HRN-RS-CH5

GUIDE ID: CH5_AL-XX70-B_RS-X70_20230330

AL-XX70-B Optional Accessories



Blade Installation

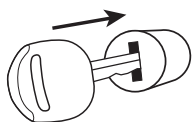


Slide Blade into unit.
Notice programming button under LED.

Ready for Blade Programming Procedure.

Blade Programming

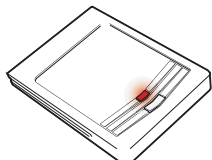
1 Insert key into ignition.



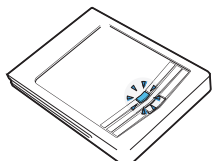
2 Turn key to ON position.



3 LED will turn solid RED.



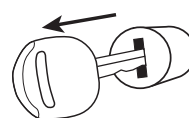
4 Within 5 seconds, LED will flash BLUE rapidly.



5 Turn key to OFF position.



6 Remove key.

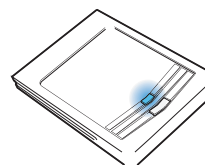


7 Press Unlock on the OEM remote.



If vehicle is not equipped with an OEM remote, press the Blade programming button.

8 Wait, LED will turn solid BLUE for 2 seconds.



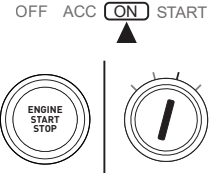
9 Proceed to AL-XX70-B Programming/Vehicle Learn.

AL-XX70-B Programming/Vehicle Learn V1.6 (see installation guide for older versions)

Before You Begin:

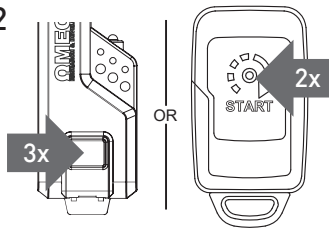
- Make sure all wires/harnesses are connected.
- Program the BLADE to the vehicle per the instructions on the previous pages.
- Connect any additional accessories/modules to the data ports.
- **MANUAL TRANSMISSION VEHICLES ONLY:** Set the parking brake. The BLACK/WHITE wire must be connected to the parking brake wire.

1



Turn ignition to ON position (do not start).

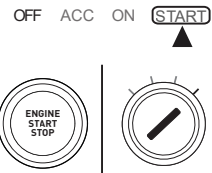
2



Within 5 seconds of step 1 press the Valet button 3x or send remote start command (by remote, Linkr, activation input wire etc.).

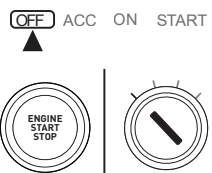
- The system will chirp & flash lights to indicate crank delay (Default: 1 chirp/flash = 1.5 sec)
- Press valet button to change crank delay
- Chirps: 1=1.5 sec, 2=15 sec, 3=20 sec, 4=30 sec

3



Start the engine with the key and let the engine reach normal idle.

4



MANUAL TRANSMISSIONS:
Release the parking brake.

AUTOMATIC TRANSMISSIONS:
Turn the ignition key OFF.

- The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected (Max: 4).

MANUAL - Proceed to step 5.
AUTOMATIC - Skip to step 6.

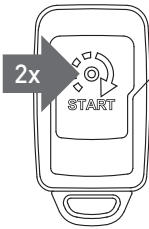
5



MANUAL TRANSMISSIONS:
Set the parking brake again to enter Manual Transmission Reservation Mode option selection. (installer feature #11)

- The system will chirp & flash the light to indicate current setting (default: 2 - Off)
- Set and Release the parking brake to scroll through setting options.
- Chirp confirmation: 1 = **ON** - Shutdown w/ lock, 2 = **OFF**, 3 = **ON** - Shutdown w/ door close, 4 = **ON** - Shutdown 10 sec. after door close
- Before turning the key OFF, perform the MT reservation sequence (see operation guide) and exit the vehicle.

6

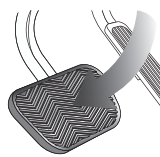


Activate remote start (within 60 sec. of Step 4 or 5). Wait until engine is running and LED flashes slowly (10-45 seconds after engine cranks & runs).

Push-to-Start vehicles: Ensure the OEM fob is at least 20 ft. away to allow remote start.

- The system will detect data protocols, select the best available engine running detection method, and, learn any available tach input (data or analog).

7



TO SAVE SETTINGS/FINISH VEHICLE LEARN:
Press the BRAKE pedal (will shut down RS).

- This disables VEHICLE LEARN (to enable again, program installer feature #2 (bank 10) to "Enabled".

TO CANCEL/START OVER:
Press the valet button once.

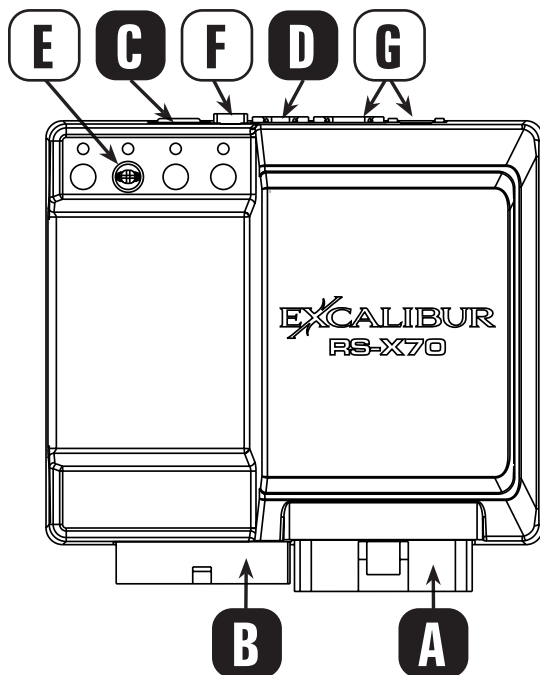
8

Programming complete.

TroubleShooting

- See system installation guide for remote start diagnostics and troubleshooting.
- See OmegaLink module/firmware guide at www.wiresheet.com for interface module diagnostics and troubleshooting.

RS-X70 Layout



- A** WHITE 6 PIN HIGH CURRENT POWER HARNESS (P/N: H-RS6E*)
- B** WHITE 14 PIN MAIN INPUT/OUTPUT HARNESS (P/N: H-RS14A)
- C** RED 3 PIN DOOR LOCK/UNLOCK HARNESS (P/N: DLP-N3)
- D** RED 3 PIN REMOTE START HARNESS (P/N: RS-OUTPUT)
- E** TEMPERATURE SENSOR - DO NOT COVER
(For high/low temp auto start and for automatic low temp crank extender)
- F** ANTENNA / STATUS LIGHT / VALET PORT - Supports compatible plug-in antennas or push-button status light
(P/N: AU-LED-PB2)
- G** GREEN & BLACK DATA PORTS - For Telematics / Data Sensor (Shock, Tilt, etc) / Vehicle Interface Module.
(DBI & iDatalink protocols supported on both ports - see 'Vehicle Learn' or installer feature #12)

RS-X70 Installation Steps

INSTALLATION STEPS:

- 1) Go to www.OmegaWeblink.com or use WebLink Mobile to flash the bypass module with the firmware matching the vehicle.
NOTE: iDatalink 2-way protocol is recommended for full functionality.
NOTE: If OEM remote is being used to activate the remote start be sure "Factory keyless RS sequence" is set to "Lock + Lock + Lock" OR "Lock + Unlock + Lock"
- 2) Make all the connections shown in the diagram on the following pages.
- 3) Connect any optional hardware as needed.
- 4) Select Data Mode and program the bypass module to the vehicle (see module programming instructions).
- 5) Perform Vehicle Learn to configure the remote start to match the vehicle.
NOTE: If Vehicle Learn is not performed remote start operation could fail.
- 6) Test the system for all desired functions.

NOTE: Any features NOT supported by the interface module must be hard wired from the remote start to the vehicle. Refer to the remote start install guide and vehicle wiring info at www.wiresheet.com (only available for authorized dealers) for instructions.

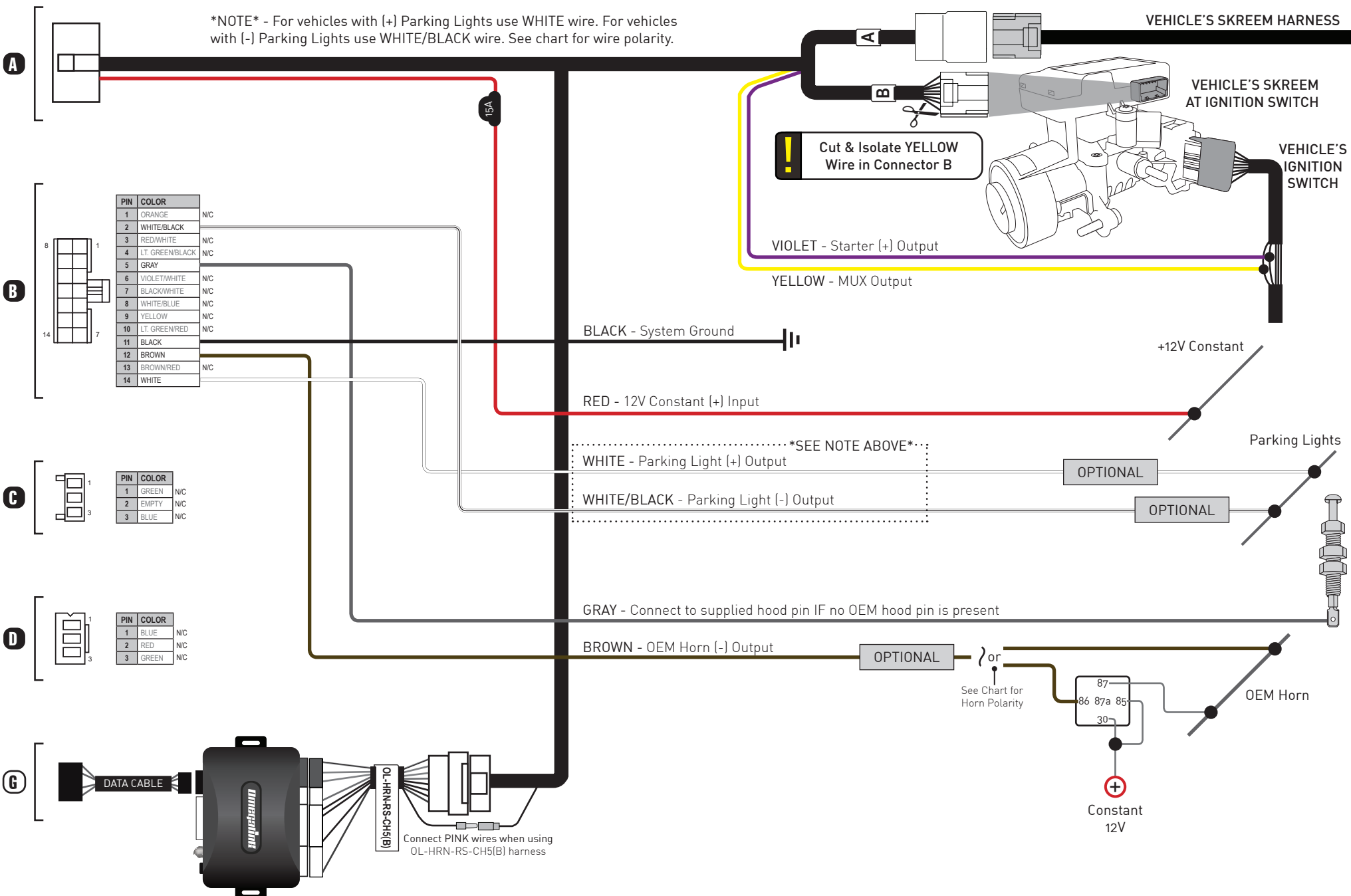
Wire Location Chart Diagram #1

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	300	Std. Key Automatic	2005 - 2007	12V	BLACK	16	16	LT. BLUE/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Passenger Kick Harness To Rear
Chrysler	PT Cruiser	Std. Key Automatic	2006 - 2010	12V	BLACK	16	16	RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/LT. BLUE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	GRAY/YELLOW	(+)	Horn Under Right Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Kick Panel Harness to Rear
Dodge	Caliber	Std. Key (w/ starter wire) Automatic	2007 - 2007	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Charger	Std. Key Automatic	2006 - 2007	12V	BLACK	16	16	LT. BLUE/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood Passenger side
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Passenger Kick Harness To Rear
Dodge	Magnum	Std. Key Automatic	2005 - 2007	12V	BLACK	16	16	LT. BLUE/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/DK. GREEN	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Passenger Kick Harness To Rear
Jeep	Commander	Std. Key Automatic	2006 - 2007	12V	BLACK	16	16	LT. GREEN/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/ORANGE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood Passenger side
				Parking Lights	Relay	5	1	RELAY PIN	(-)	Integrated Power Module Under Hood Driver Side
Jeep	Grand Cherokee	Std. Key Automatic	2005 - 2007	12V	BLACK	16	16	LT. GREEN/RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/ORANGE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	DK. GREEN/ORANGE	(+)	Horns Under Hood Passenger side
				Parking Lights	Relay	5	1	RELAY PIN	(-)	Integrated Power Module Under Hood Driver Side

MODEL: OL-HRN-RS-CH5

GUIDE ID: CH5_AL-XX70-B_RS-X70_20230330

RS-X70 Diagram #1



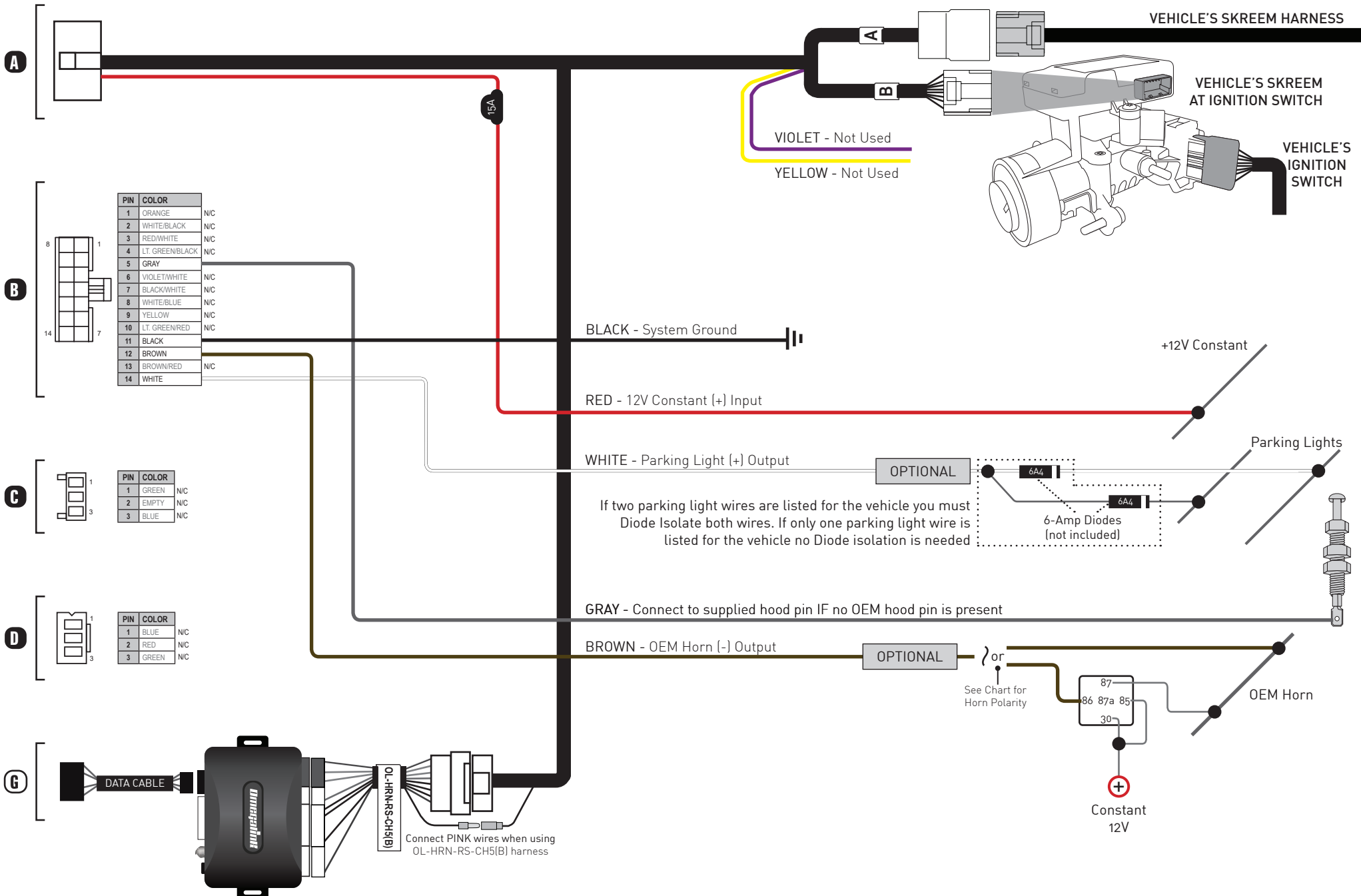
Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	200	Std. Key Automatic	2011 - 2014	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	BLACK	1	1	GRAY/YELLOW	(+)	Horns Under Hood Passenger Side
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Chrysler	Aspen	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights 1	BLACK	40	6	PINK/RED	(+)	Fuse Box in Driver Kick
				Parking Lights 2	BLACK	40	5	WHITE/ORANGE	(+)	Fuse Box in Driver Kick
Chrysler	Sebring	Std. Key Convertible Automatic	2008 - 2010	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Chrysler	Sebring	Std. Key Sedan Automatic	2007 - 2010	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Avenger	Std. Key Automatic	2008 - 2014	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Caliber	Std. Key Automatic	2007 - 2012	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Durango	Std. Key Automatic Std. Key Hybrid Automatic	2007 - 2009	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights 1	BLACK	40	6	PINK/RED	(+)	Fuse Box in Driver Kick
				Parking Lights 2	BLACK	40	5	WHITE/ORANGE	(+)	Fuse Box in Driver Kick
Dodge	Nitro	Std. Key Automatic	2007 - 2011	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights 1	-	-	-	WHITE/LT. GREEN	(+)	Driver Side Kick Harness to Rear
				Parking Lights 2	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Dodge	Ram 1500	Std. Key Automatic	2007 - 2008	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Dodge	Ram 2500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Dodge	Ram 3500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake

Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Dodge	Ram 4500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Dodge	Ram 5500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Jeep	Compass	Std. Key Automatic	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Jeep	Liberty	Std. Key Automatic	2008 - 2012	12V	BLACK	16	16	WHITE/RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Jeep	Patriot	Std. Key Automatic	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
Jeep	Wrangler	Std. Key Automatic	2007 - 2017	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
Jeep	Wrangler JK	Std. Key Automatic	2018 - 2018	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
Ram	4500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
Ram	5500	Std. Key Automatic	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake

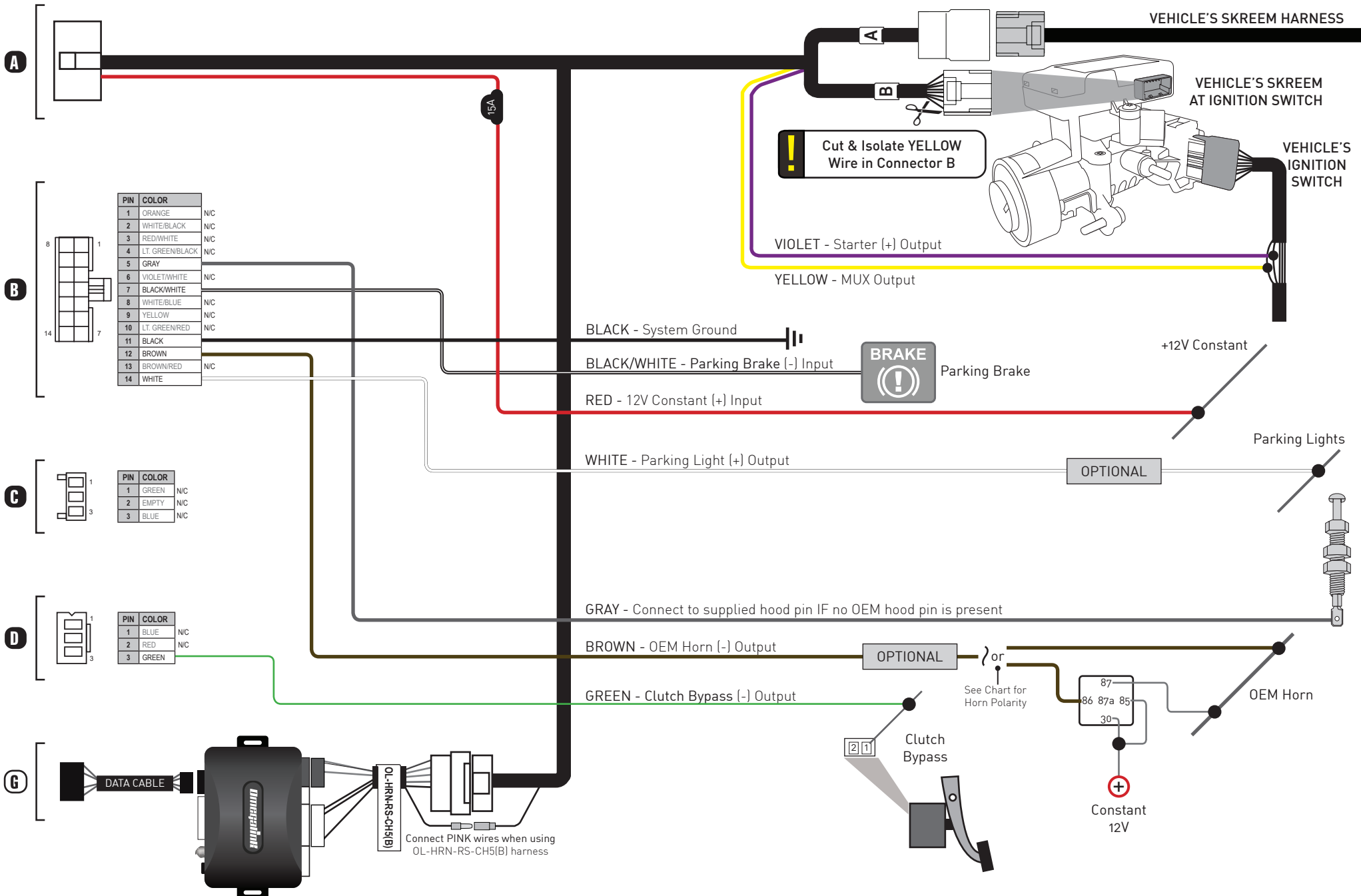
RS-X70 Diagram #2



Wire Location Chart Diagram #3

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	PT Cruiser	Std. Key Manual	2006 - 2010	12V	BLACK	16	16	RED	(+)	OBDII Connector
				MUX	BLACK	5	2	VIOLET/BROWN	(MUX)	Ignition Switch Harness
				Start	BLACK	5	4	PINK/LT. BLUE	(+)	Ignition Switch Harness
				Horn	BLACK	1	1	GRAY/YELLOW	(+)	Horn Under Right Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Kick Panel Harness to Rear
				Parking Brake	BLACK	1	1	WHITE/BLACK	(-)	At Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	At Clutch Switch

RS-X70 Diagram #3



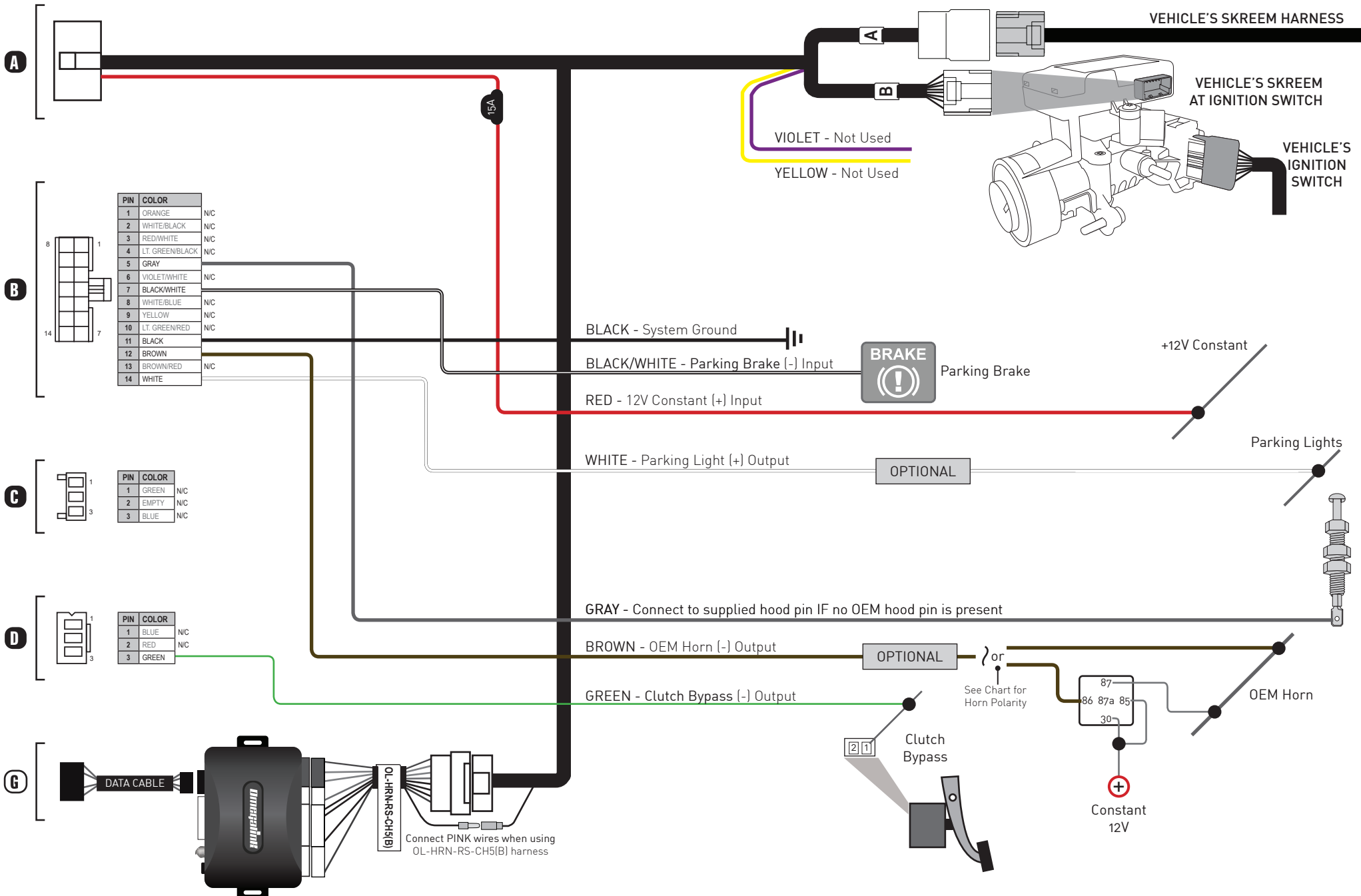
Wire Location Chart Diagram #4

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Chrysler	Sebring	Std. Key Sedan Manual	2007 - 2010	12V	BLACK	16	16	RED/VIOLET	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	GRAY	43	38	DK. GREEN/WHITE	(-)	Under Driver Dash or Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Caliber	Std. Key Manual	2007 - 2012	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	Clutch Switch
Dodge	Nitro	Std. Key Manual	2007 - 2011	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/LT. GREEN	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	-	-	YELLOW/ORANGE	(-)	Clutch Switch
Dodge	Ram 1500	Std. Key Manual	2007 - 2008	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Ram 2500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE		Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Ram 3500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE		Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Dodge	Ram 4500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE		Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch

Wire Location Chart Diagram #4

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Dodge	Ram 5500	Std. Key Manual	2007 - 2009	12V	BLACK	16	16	GRAY/RED	(+)	OBDII Connector
				Horn	WHITE	6	6	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	GRAY	74	19	WHITE/GRAY	(+)	Junction Connector Above Parking Brake
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	2	1	YELLOW/DK. BLUE	(-)	Clutch Switch
Jeep	Compass	Std. Key Manual	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/BLUE	(-)	Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	Clutch Switch
Jeep	Liberty	Std. Key Manual	2008 - 2012	12V	BLACK	16	16	WHITE/RED	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	GRAY	43	30	DK. GREEN/WHITE	(-)	Above Kick Panel or Parking Brake Switch
				Clutch Bypass	BLACK	3	2	YELLOW/DK. BLUE	(-)	Clutch Switch
Jeep	Patriot	Std. Key Manual	2007 - 2017	12V	BLACK	16	16	RED/LT. GREEN	(+)	OBDII Connector
				Horn	WHITE	6	3	DK. GREEN/VIOLET	(-)	Clock Spring Plug Under Steering Column Cover
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Driver Side Kick Harness to Rear
				Parking Brake	-	-	-	DK. GREEN/BLUE	(-)	Parking Brake Switch
				Clutch Bypass	BLACK	3	3	YELLOW/RED	(-)	Clutch Switch
Jeep	Wrangler	Std. Key Manual	2007 - 2011	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	3	2	YELLOW/ORANGE	(-)	Clutch Switch

RS-X70 Diagram #4



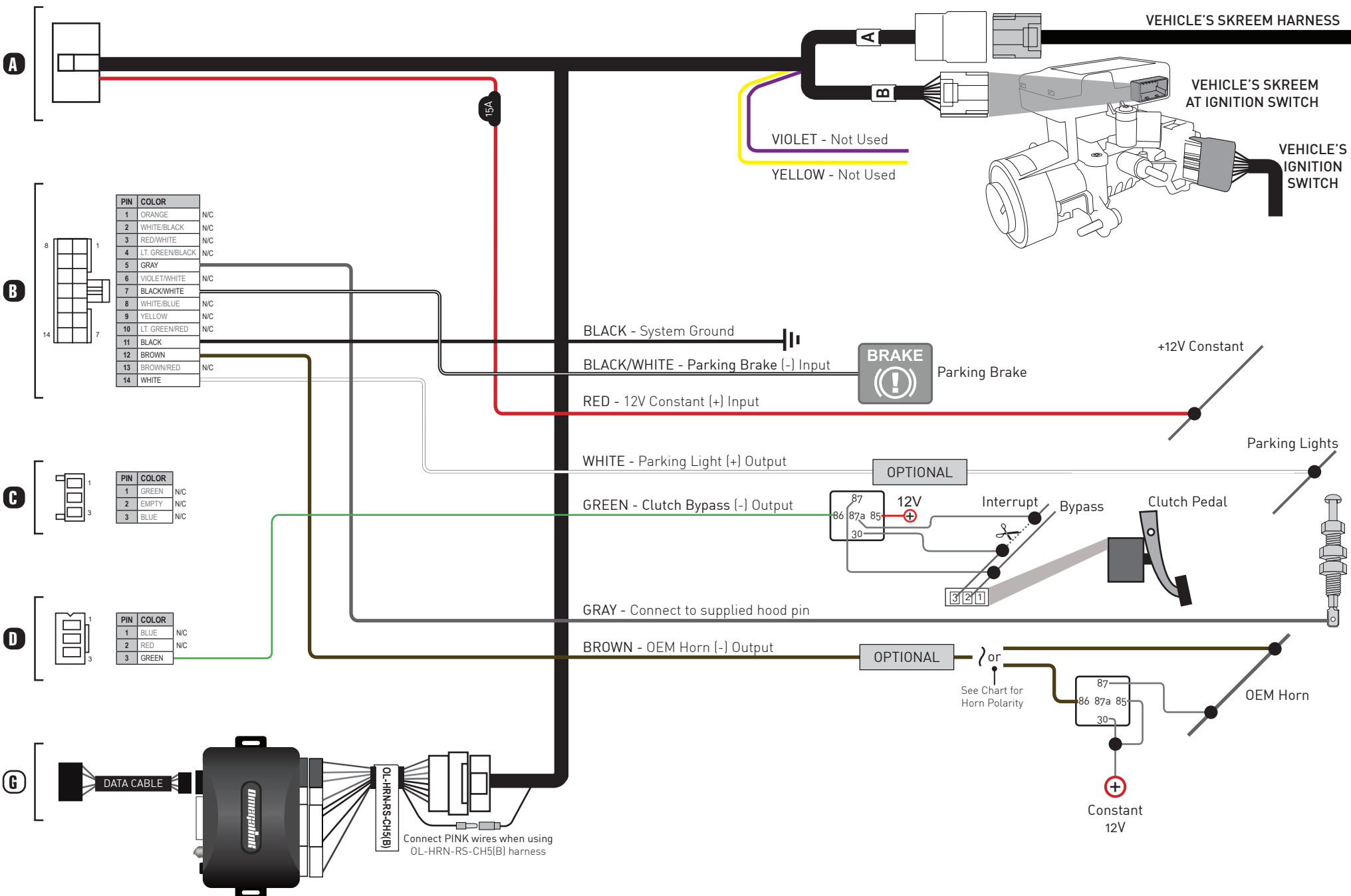
Wire Location Chart Diagram #5

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Jeep	Wrangler	Std. Key Manual	2012 - 2017	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	3	2	YELLOW/ORANGE	(-)	Clutch Switch
				Clutch Interrupt	-	3	3	GREEN/ORANGE	(NC)	Clutch Switch
Jeep	Wrangler JK	Std. Key Manual	2018 - 2018	12V	BLACK	16	16	RED	(+)	OBDII Connector
				Horn	-	1	1	GRAY/YELLOW	(+)	At Horn Behind Driver Side Headlight
				Parking Lights	-	-	-	WHITE/VIOLET	(+)	Harness From Under Driver Seat To Running Board
				Parking Brake	BLACK	1	1	DK. GREEN/WHITE	(-)	Parking Brake Switch
				Clutch Bypass	-	3	2	YELLOW/ORANGE	(-)	Clutch Switch
				Clutch Interrupt	-	3	3	GREEN/ORANGE	(NC)	Clutch Switch

MODEL: OL-HRN-RS-CH5

GUIDE ID: CH5_AL-XX70-B_RS-X70_20230330

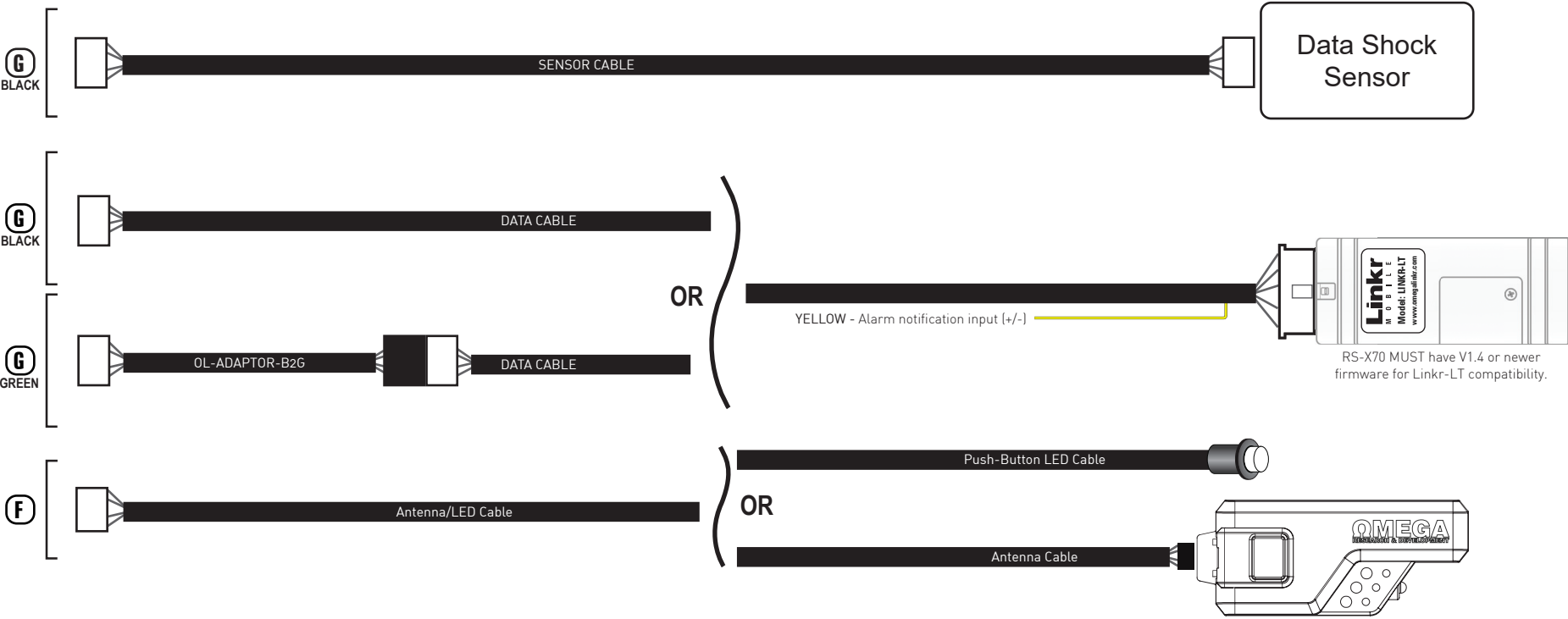
RS-X70 Diagram #5



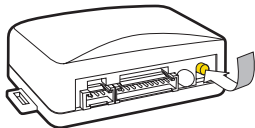
MODEL: OL-HRN-RS-CH5

GUIDE ID: CH5_AL-XX70-B_RS-X70_20230330

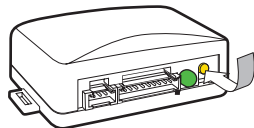
RS-X70 Optional Accessories



Installation Mode Selection

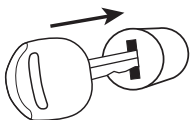
- 1  Press and release programming button to select installation mode.

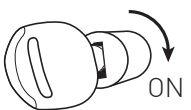
 LED flashes (1x) once = Data Mode (Recommended)
LED flashes (2x) twice = Hardwire Mode

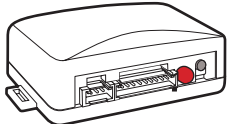
- 2  Press and hold programming button until LED turns solid GREEN to register selection.

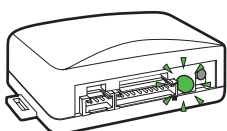
! After registration, follow Factory Reset to change installation mode and restart this process.

Module Programming

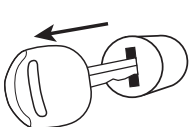
- 1  Insert key into ignition.

- 2  Turn key to ON position.

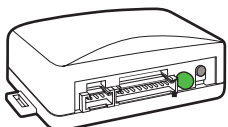
- 3  LED will turn solid RED.

- 4  Within 5 seconds, LED will flash GREEN rapidly.

- 5  Turn key to OFF position.

- 6  Remove key.

- 7  Press Unlock on the OEM remote.
If vehicle is not equipped with an OEM remote, press the Blade programming button.

- 8  Wait, LED will turn solid GREEN for 2 seconds.

- 9 Proceed to RS-X70 Programming/Vehicle Learn.

RS-X70 Programming/Vehicle Learn V1.6 (see installation guide for older versions)

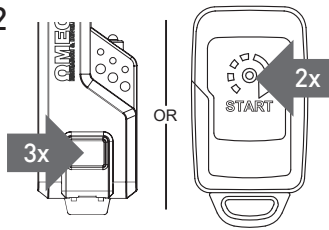
Before You Begin:

- Make sure all wires/harnesses are connected.
- Program the bypass module to the vehicle per the instructions on the previous pages.
- Connect any additional accessories/modules to the data ports.
- **MANUAL TRANSMISSION VEHICLES ONLY:** Set the parking brake. The BLACK/WHITE wire must be connected to the parking brake wire.

- OFF ACC **ON** START



Turn ignition to ON position (do not start).
- Within 5 seconds of step 1 press the Valet button 3x or send remote start command (by remote, Linkr, activation input wire etc.).


 - The system will chirp & flash lights to indicate crank delay (Default: 1 chirp/flash = 1.5 sec)
 - Press valet button to change crank delay
 - Chirps: 1=1.5 sec, 2=15 sec, 3=20 sec, 4=30 sec
- OFF ACC ON **START**



Start the engine with the key and let the engine reach normal idle.
- OFF ACC ON **START**



MANUAL TRANSMISSIONS:
Release the parking brake.

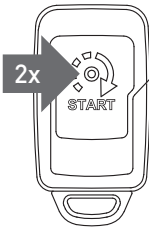
AUTOMATIC TRANSMISSIONS:
Turn the ignition key OFF.

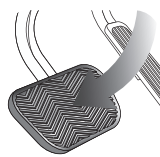
 - The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected (Max: 4).

MANUAL - Proceed to step 5.
AUTOMATIC - Skip to step 6.

- MANUAL TRANSMISSIONS:**
Set the parking brake again to enter Manual Transmission Reservation Mode option selection. (installer feature #11)


 - The system will chirp & flash the light to indicate current setting (default: 2 - Off)
 - Set and Release the parking brake to scroll through setting options.
 - Chirp confirmation: 1 = **ON** - Shutdown w/ lock, 2 = **OFF**, 3 = **ON** - Shutdown w/ door close, 4 = **ON** - Shutdown 10 sec. after door close
 - Before turning the key OFF, perform the MT reservation sequence (see operation guide) and exit the vehicle.
- Activate remote start (within 60 sec. of Step 4 or 5). Wait until engine is running and LED flashes slowly (10-45 seconds after engine cranks & runs).
Push-to-Start vehicles: Ensure the OEM fob is at least 20 ft. away to allow remote start.


 - The system will detect data protocols, select the best available engine running detection method, and, learn any available tach input (data or analog).
- TO SAVE SETTINGS/FINISH VEHICLE LEARN:**
Press the BRAKE pedal (will shut down RS).


 - This disables VEHICLE LEARN (to enable again, program installer feature #2 (bank 10) to "Enabled".
- TO CANCEL/START OVER:**
Press the valet button once.
- Programming complete.

TroubleShooting

- See system installation guide for remote start diagnostics and troubleshooting.
- See OmegaLink module/firmware guide at www.wiresheet.com for interface module diagnostics and troubleshooting.