



PREMIER K9

www.PremierK9.com

Install Help 1-844-4K9-SAFE (459-7233)

Tahoe unlock interface

On the rear doors for the Tahoe, the door lock/unlock actuator and child safety lock actuators are integrated directly into the door latch assembly and are controlled by the Body Control module of the vehicle. In order for the K9 unit to unlock door, you need to install the **PREMIER K9** compact 3PDT relay module or 3 automotive SPDT relays to actuate both lock motors inside the latch. If only door unlock motor is used, child safety lock may also be on and prevent Bailout solenoid from opening door.

The recommend hook up is shown below. Please note wire colors listed on diagram are from the 2015 Body Builders guide, but should apply to several vehicle years. Relay 1 & 2 is for door unlock function and relay 3 is for child safety unlock function

The Brown/Yellow, Gray and White/Dark Blue stripe that go to the plug on the door latch must be cut and relay is installed between the cut wires. Both lock actuators share the Brown/Yellow wire for +12v unlock functions. Relays 2 & 3 provide ground. Based on diagram 4-60 in 2015 Body Builders guide, unlock function is +12V on BN/YL and Ground on GY & WH/D-BU. Relays are required because according to diagram body control module keeps ground on all pins when not used. Relay 3 is required because it appears child safety lock is open circuit by relay KR113.

Also, some initial feedback from the field indicate there is no ground on the GY & WH/D-BU wires, but something closer to 5V. Using the 3 relays as shown above worked on a new 2015 door latch assembly on our test bench.

USING PREMIER K9 COMACT 3PDT RELAY

Brown: From vehicle harness Brown/Yellow Strip

Gray: From vehicle harness Gray

White: From vehicle harness White/Dark Blue Stripe

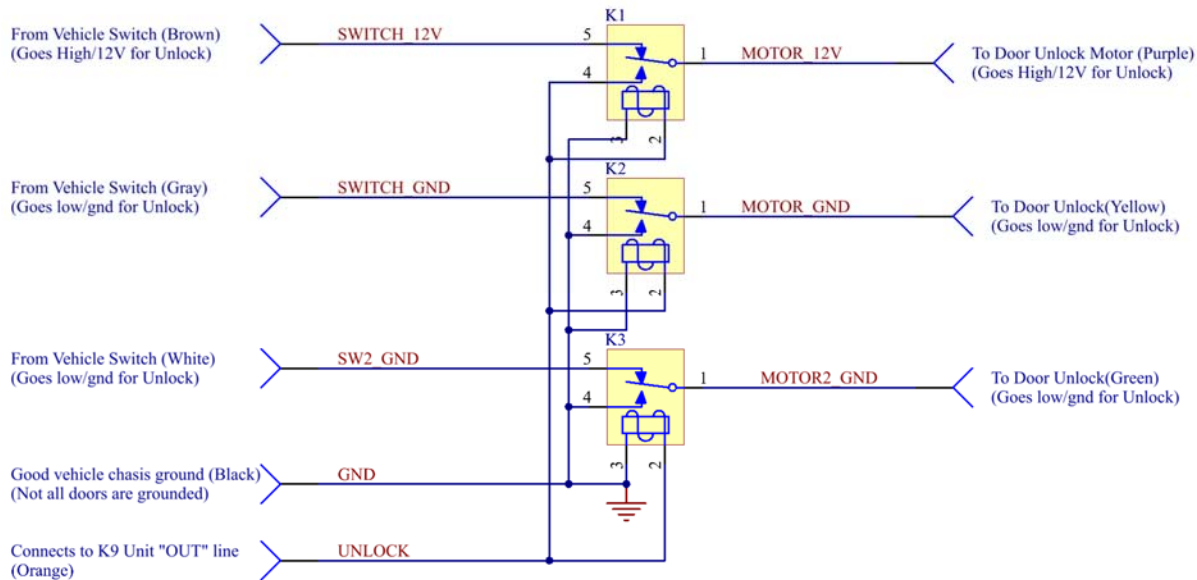
Purple: To door lock actuator wire (Brown/Yellow Stripe) that is 12V for unlock function

Yellow: To door lock actuator wire (Gray) that is GND for unlock function

Green: To door lock actuator wire (White/Dark-Blue Stripe) that is GND for unlock function

Black: Good chassis ground or battery ground

Orange: From **PREMIER K9** unlock wire (**Orange**) (**Brown** not used)

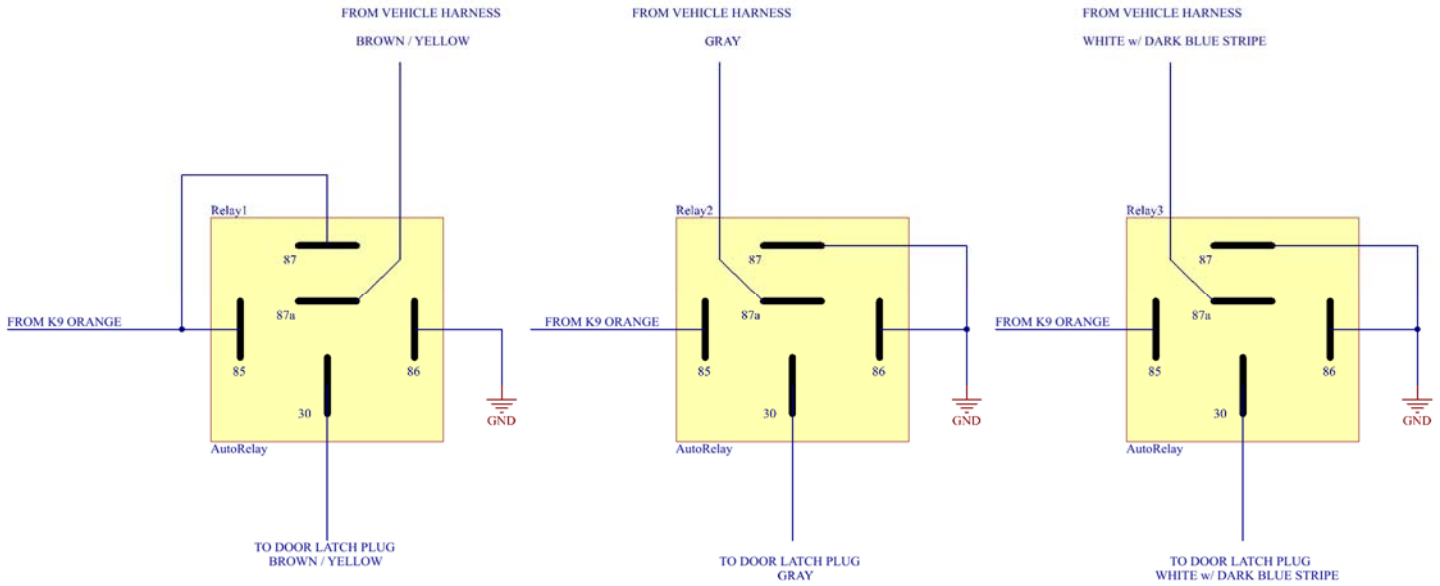


PREMIER K9 assumes no liability for the correct application or installation of this circuitry.

USING STANDARD AUTOMOTIVE SPDT RELAY

The recommend hook up using 3 standard automotive relays is shown below. Please note wire colors listed on diagram are from the 2015 Body Builders guide, but should apply to several vehicle years. Relay 1 & 2 is for door unlock function and relay 3 is for child safety unlock function.

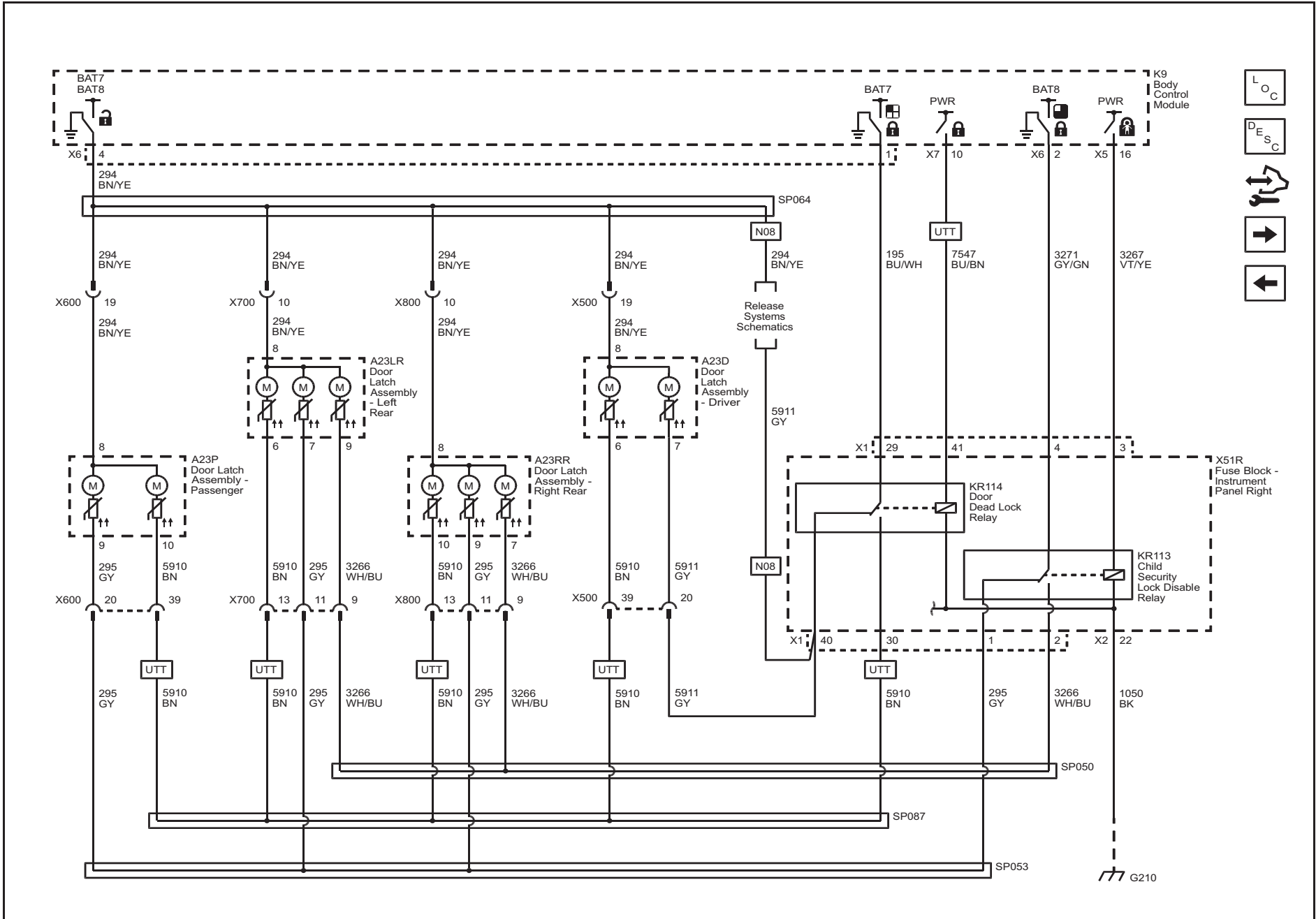
The harness side of the cut wire goes to terminal 87A of the relay and cut wire going to the plug goes to terminal 30 of the relay. If needed you can tap into the black wire of the plug for the GND signal of the relay. You may be able to use only the door unlock relays (1&2) without installing the child safety lock relay(3). Please fully test door with solenoid to verify proper operation.



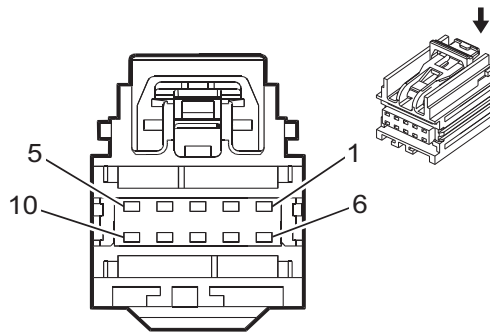
PREMIER K9 assumes no liability for the correct application or installation of this circuitry.

Relay is 12V S-PDT contact rating minimum 20A. (Pin numbers on schematic are for reference only - not all relays use the same referenced numbers.)

Door Lock/Indicator Schematics (Actuators)



A23RR Door Latch Assembly - Right Rear



2235437

Connector Part Information

Harness Type: Right Rear Door
 OEM Connector: 13576047
 Service Connector: 15127041
 Description: 10-Way F 0.64 YESC Kaizen Series (GN)

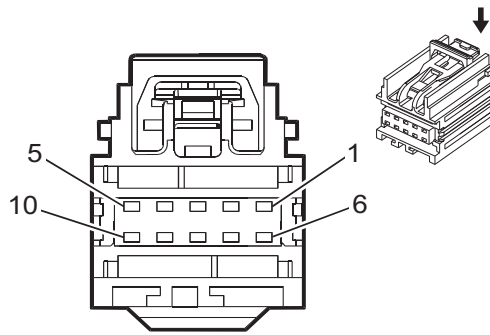
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327118	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13327119	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

A23RR Door Latch Assembly - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	BK	1250	Ground	II	-
4	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	II	-
5	0.35	GY/WH	748	Right Rear Door Ajar Switch Signal	II	-
6	-	-	-	Not Occupied	-	-
7	0.75	WH/D-BU	3266	Child Security Lock Motor Unlock Control	I	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	-
9	0.75	GY	295	Door Lock Actuator Lock Control	I	-
10	0.75	BN	5910	Door Double Lock Actuator Lock Control	I	-

A23LR Door Latch Assembly - Left Rear



2235437

Connector Part Information

Harness Type: Left Rear Door
 OEM Connector: 13576047
 Service Connector: 15127041
 Description: 10-Way F 0.64 YESC Kaizen Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327119	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	13327118	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A23LR Door Latch Assembly - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/WH	747	Left Rear Door Ajar Switch Signal	I	-
2	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	I	-
3	0.5	BK	1150	Ground	I	-
4-5	-	-	-	Not Occupied	-	-
6	0.75	BN	5910	Door Double Lock Actuator Lock Control	II	-
7	0.75	GY	295	Door Lock Actuator Lock Control	II	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	II	-
9	0.75	WH/D-BU	3266	Child Security Lock Motor Unlock Control	II	-
10	-	-	-	Not Occupied	-	-