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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Yellow (40A)	+	VEBCM under driver dash, brown 52 pin plug, pin 42
Ground	(chassis ground)		
Starter	Red/Black	+	Steering Column Module, black 16 pin plug, pin 6
Ignition	Black	+	Steering Column Module, black 16 pin plug, pin 14
Accessory	Black/Violet (for accessory sense only)	+	VEBCM under driver dash, white 52 pin plug, pin 28 or black 52 pin plug, pin 3
CAN Bus High	Orange/Black	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Orange/Brown	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Orange/Green	Data	Steering Column Module, black 16 pin plug, pin 4
CAN Bus Low 2	Orange/Brown	Data	Steering Column Module, black 16 pin plug, pin 3
CAN Bus High 3	Orange/Green	Data	VEBCM under driver dash, brown 52 pin plug, pin 15
CAN Bus Low 3	Orange/Brown	Data	VEBCM under driver dash, brown 52 pin plug, pin 16
OBD 12 Volts	Red/Yellow (10A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Black/Blue	+	OBD-Data Link Connector, black 16 pin plug, pin 1
OBD Connector	Violet-Black		Under Driver Dash, Above Driver Kick
IMMO Antenna	Blue	RF	Immobilizer Reader Coil on ignition switch, black 2 pin plug, pin 1
Power Lock	Brown/Green	-	Driver Door Module, gray 32 pin plug, pin 32
Power Unlock	(same as power lock)	- 180 Ohms	

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Item	Wire Color	Polarity	Wire Location
Lock Motor	Blue/Green (only for arm on OEM sec upgrade)	Reverse	VEBCM under driver dash, white 52 pin plug, pin 7
Driver Unlock Motor	Violet/Gray (only for disarm on OEM sec upgrade)	Reverse	VEBCM under driver dash, white 52 pin plug, pin 5
Passenger Unlock Motor	Brown/Yellow (only for defeat on OEM sec upgrade)	Reverse	VEBCM under driver dash, white 52 pin plug, pin 8
Factory Alarm Arm	Green/White (key lock)	-	Driver Door Module, black 20 pin plug, pin 16
Factory Alarm Disarm	(same as factory alarm arm)	- 180 Ohms	
Disarm No Unlock	(transponder and ignition)		
Parking Lights	Gray/Yellow	+	Headlight Switch, black 10 pin plug, pin 3
Parking Lights Interrupt	Red/Yellow or Red/White	Cut	Headlight Switch, black 10 pin plug, pin 8
Hazards	Brown/Red	-	VEBCM under driver dash, brown 52 pin plug, pin 7
Turn Signal (Left)	Gray/White (LF); Red/Green (LR)	+	VEBCM under driver dash, black 52 pin plug, pin 10 (LF); brown 52 pin plug, pin 4 (LR)
Turn Signal (Right)	Gray/Brown (RF); Black/Red (RR)	+	VEBCM under driver dash, brown 52 pin plug, pin 50 (RF); black 52 pin plug, pin 9 (RR)
Headlight	White/Black	+	VEBCM under driver dash, black 52 pin plug, pin 22
AutoLights	Violet	Cut	VEBCM under driver dash, black 52 pin plug, pin 20
Reverse Light	Blue/Violet	+	VEBCM under driver dash, black 52 pin plug, pin 28
Left Front Door Trigger	Brown/Yellow	-	Driver Door Module, black 20 pin plug, pin 7
Right Front Door Trigger	Brown/Yellow	-	Passenger Door Module, black 20 pin plug, pin 7
Left Rear Door Trigger	Black/Gray	-	VEBCM under driver dash, black 52 pin plug, pin 41
Right Rear Door Trigger	Black/Green	-	VEBCM under driver dash, black 52 pin plug, pin 30



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Item	Wire Color	Polarity	Wire Location
Dome Light	Red/White	-	VEBCM under driver dash, brown 52 pin plug, pin 10
Trunk/Hatch Pin	Brown/Blue	-	VEBCM under driver dash, black 52 pin plug, pin 29
Hood Pin	Brown/Green	-	VEBCM under driver dash, black 52 pin plug, pin 14
Trunk/Hatch Release	White (rear handle switch)	-	VEBCM under driver dash, black 52 pin plug, pin 13
Trunk Release Motor	White	Reverse	VEBCM under driver dash, white 52 pin plug, pin 11
Fuel Door Release	(locks/unlocks along with doors)		
Tachometer	Brown/Stripe	AC	Any Fuel Injector, 2 pin plug, pin 2
Fuel Pump	Black/Red	+	Driver Kick, harness to rear
Rear Defroster	Black/Green	- Latched	VEBCM under driver dash, white 52 pin plug, pin 22
Mirror Defroster	Yellow	-	Driver Door Module, gray 32 pin plug, pin 28
Left Front Heated Seat	(CAN and LIN Bus)		
Right Front Heated Seat	(CAN and LIN Bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/Red (functions with ignition on only)	+	VEBCM under driver dash, brown 52 pin plug, pin 17
Parking Brake	Brown/Yellow	-	Parking Brake Switch, black 2 pin plug, pin 1
Horn Trigger	Red/Brown	-	VEBCM under driver dash, white 52 pin plug, pin 41
Wipers	White/Red	-	VEBCM under driver dash, white 52 pin plug, pin 23
All Windows Up-Down	(use factory alarm arm/disarm)		
Sun Roof (Open/Close)	White/Violet (tilt up/down) (function with ignition on only)	- Resistor	Sunroof Switch, 4 pin plug, pin 4
Memory Seat 1	Red/Black	- Resistor	Memory Switch --or-- Driver Seat Module, 32 pin plug, pin 12

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Memory Seat 2	(same as memory seat 1)	- Resistor	
Memory Seat 3	Yellow/Black	- Resistor	Memory Switch --or-- Driver Seat Module, 32 pin plug, pin 28
Radio 12V	Red/Yellow	+	Radio, black 16 pin plug, pins 15, 16
Radio Ground	Brown	-	Radio, black 16 pin plug, pin 12
Radio Ignition	(Infotainment CAN)		
Radio Illumination	(Infotainment CAN)		
Factory Amp Turn-on	(Infotainment CAN)		
Left Front Speaker (+/-)	Brown/Green - Brown/Blue or Green - Green/Black	+,-	Radio, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Brown/Red - Brown/Black or Blue - Gray	+,-	Radio, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Red/White - Brown/White or White - Brown	+,-	Radio, brown 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Red/Violet - Brown/Violet or Yellow - Black	+,-	Radio, brown 8 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Brown/Green - Brown/Blue (woofer); Blue/Black - White/Black (midrange)	+,-	Amplifier under driver seat, 38 pin plug, pins 18 - 6 (woofer); pins 13 - 14 (midrange)
Right Front Speaker - With Amp	Brown/Red - Brown/Black (woofer); Red/Gray - Brown/Gray (midrange)	+,-	Amplifier under driver seat, 38 pin plug, pins 15 - 3 (woofer); pins 12 - 11 (midrange)
Left Front Tweeter - With Amp	White - White/Black	+,-	Amplifier under driver seat, 38 pin plug, pins 8 - 20
Right Front Tweeter - With Amp	Gray - Gray/Black	+,-	Amplifier under driver seat, 38 pin plug, pins 19 - 7
Left Rear Speaker - With Amp	Red/White - Brown/White	+,-	Amplifier under driver seat, 38 pin plug, pins 9 - 21
Right Rear Speaker - With Amp	Red/Violet - Brown/Violet	+,-	Amplifier under driver seat, 38 pin plug, pins 22 - 10
Subwoofer - With Amp	White/Red - Brown/Red (coil 1); Gray/Red - Gray/Brown (coil 2)	+,-	Amplifier under driver seat, 38 pin plug, pins 16 - 4 (coil 1); pins 5 - 17 (coil 2)
Aux. Audio Input Left (+/-)	Yellow - Green	+,-	Radio, blue 12 pin plug, pins 1 - 2
Aux. Audio Input Right (+/-)	Gray - Green	+,-	Radio, blue 12 pin plug, pins 7 - 2



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What Fits

Item	Size	Depth	Location
Headunit	Irregular		Center of Dash
Left Front Speaker	6.5	3.5	Left Front Door
Left Front Tweeter	1	1	Left Front Dash
Right Front Speaker	6.5	3.5	Right Front Door
Right Front Tweeter	1	1	Right Front Dash
Left Rear Speaker	6.5	3.5	Left Rear Door
Left Rear Tweeter	1	1	Left Rear Door
Right Rear Speaker	6.5	3.5	Right Rear Door
Right Rear Tweeter	1	1	Right Rear Door