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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (30A)	+	Passenger Footwell Fuse Box, 2 pin plug (P1), pin 1
Ground	(chassis ground)		
Starter Kill	Violet/White	+	Underhood Fuse Box, 10 pin plug (M5H), pin 3
Ignition Sense	Black/Orange	+	SAM Control Unit in passenger footwell, 36 pin plug (MR2), pin 28
PTS 1	Orange		Start Stop Button, 10 pin plug, pin 3
PTS 2	Blue/White		Start Stop Button, 10 pin plug, pin 4
CAN Bus High	Brown/Red (CAN B)	Data	Driver Kick, door harness
CAN Bus Low	Brown (CAN B)	Data	Driver Kick, door harness
CAN Bus High 2	Brown/Red (CAN B)	Data	SAM Control Unit in passenger footwell, 20 pin plug, pin 4
CAN Bus Low 2	Brown (CAN B)	Data	SAM Control Unit in passenger footwell, 20 pin plug, pin 14
CAN Bus High 3	Gray/White (CAN D)	Data	OBD-Data Link Connector, 16 pin plug, pin 6
CAN Bus Low 3	Gray (CAN D)	Data	OBD-Data Link Connector, 16 pin plug, pin 14
OBD 12 Volts	Red (10A)	+	OBD-Data Link Connector, 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, 16 pin plug, pin 4
Power Lock	Yellow	MUX	Driver Door Control Unit, 10 pin plug (C5), pin 4
Power Unlock	(same as power lock)		
Lock Motor	Brown/Green	Reverse	Driver Door Control Unit, 10 pin plug (C7), pin 7
Driver Unlock Motor	White/Violet	Reverse	Driver Door Control Unit, 10 pin plug (C7), pin 6
Passenger Unlock Motor	White/Violet	Reverse	Passenger Door Control Unit, 10 pin plug (C7), pin 6
Parking Lights	Blue/Green (LF); Blue/Green (RF) (w/o LED); (CAN with LED)	+	SAM Control Unit in passenger footwell, 63 pin plug (MR1), pin 34 (LF); 36 pin plug (MR2), pin 9 (RF) (w/o LED)

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Item	Wire Color	Polarity	Wire Location
Parking Lights 2	Gray/Black or Black/Violet (LR); Gray/Black or Black/Violet (RR)	+	SAM Control Unit in passenger footwell, 63 pin plug (RBA1), pin 13 (LR); 63 pin plug (RBA2), pin 60 (RR)
Parking Lights MUX	Green	MUX	SAM Control Unit in passenger footwell, 40 pin plug (RBA3), pin 24
Hazards	Black/Red		SAM Control Unit in passenger footwell, 40 pin plug (RBA3), pin 14
Turn Signal (Left)	Blue/Brown (LF w/o LED); Black/Yellow or Gray/White (LR)	+	SAM Control Unit in passenger footwell, 63 pin plug (MR1), pin 1 (LF w/o LED); 63 pin plug (RBA1), pin 12 or 9 (LR)
Turn Signal (Right)	Blue/Brown (RF w/o LED); Black/Yellow or Gray/White (RR)	+	SAM Control Unit in passenger footwell, 36 pin plug (MR2), pin 5 (RF w/o LED); 63 pin plug (RBA2), pin 61 or 50 (RR)
Headlight	Gray/Orange (L); Gray/Orange (R) (w/o LED); (CAN with LED)	+	SAM Control Unit in passenger footwell, 63 pin plug (MR1), pin 20 (L); 36 pin plug (MR2), pin 2 (R)
AutoLights	Violet	MUX	SAM Control Unit in passenger footwell, 40 pin plug (RBA3), pin 35
Reverse Light	Gray/Yellow or Violet/Black	+	SAM Control Unit in passenger footwell, 63 pin plug (RBA1), pin 11
Left Front Door Trigger	Pink/Violet	-	Driver Door Control Unit, 10 pin plug (C7), pin 9
Right Front Door Trigger	Pink/Violet	-	Passenger Door Control Unit, 10 pin plug (C7), pin 9
Left Rear Door Trigger	Pink/Green	-	Left Rear Door Control Unit, 10 pin plug (C7), pin 9
Right Rear Door Trigger	Pink/Green	-	Right Rear Door Control Unit, 10 pin plug (C7), pin 9
Dome Light	(CAN B)		
Trunk/Hatch Pin	Blue/Brown	-	SAM Control Unit in passenger footwell, 63 pin plug (RBA2), pin 23
Hood Pin	Brown/Red or Black/White	-	SAM Control Unit in passenger footwell, 63 pin plug (MR1), pin 52 or 39
Trunk/Hatch Release	Green/Red (door switch)	-	Driver Door Control Unit, 10 pin plug (C5), pin 9

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Item	Wire Color	Polarity	Wire Location
Trunk-Hatch Release2	Blue/Yellow (rear handle switch)	-	SAM Control Unit in passenger footwell, 63 pin plug (RBA1), pin 39
Trunk Release Motor	Blue/Red	Reverse	SAM Control Unit in passenger footwell, 63 pin plug (RBA2), pin 21
Fuel Door Release	Green/Gray	Reverse	SAM Control Unit in passenger footwell, 63 pin plug (RBA1), pin 19
Tachometer	Red/Black or Brown/Yellow	AC	Camshaft Position Sensor, 3 pin plug, pin 2
Fuel Pump	Pink/Blue	+	SAM Control Unit in passenger footwell, 63 pin plug (RBA1), pin 48
Rear Defroster	Red/Green	+ Latched	SAM Control Unit in passenger footwell, 63 pin plug (RBA2), pin 33
Left Front Heated Seat	(LIN)		
Right Front Heated Seat	(LIN)		
Brake Wire	Gray	-	Brake Switch, 2 pin plug, pin 1
Brake Wire 2	Blue/Black	+	SAM Control Unit in passenger footwell, 36 pin plug (MR2), pin 33
Parking Brake	(electric parking brake)		
Horn Trigger	Yellow (L); Yellow/Gray (R)	+	SAM Control Unit in passenger footwell, 36 pin plug (MR2), pin 15 (L); pin 16 (R)
Horn - Factory Alarm	(LIN - siren)		
Wipers	(LIN)		
All Windows Up-Down	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	(CAN B)		
Memory Seat 1	(LIN)		
Radio 12V	Red/Gray	+	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 26 pin plug, pin 14 or 31 pin plug (C1), pin 1
Radio Ground	Brown	-	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 26 pin plug, pin 1 or 31 pin plug (C1), pin 6

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Item	Wire Color	Polarity	Wire Location
Left Front Speaker (+/-)	Green/White - Violet	+,-	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 26 pin plug, pins 12 - 11 or 31 pin plug (C2), pins 1 - 6
Right Front Speaker (+/-)	Blue/Yellow - Black/Blue	+,-	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 26 pin plug, pins 2 - 3 or 31 pin plug (C2), pins 2 - 7
Left Rear Speaker (+/-)	Green/Yellow - Blue	+,-	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 26 pin plug, pins 25 - 24 or 31 pin plug (C2), pins 3 - 8
Right Rear Speaker (+/-)	Blue/White - Black	+,-	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 26 pin plug, pins 15 - 16 or 31 pin plug (C2), pins 4 - 9
Center Channel (+/-)	Gray/Blue - Pink	+,-	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 18 pin plug, pins 9 - 18 or 31 pin plug (C2), pins 5 - 10
Subwoofer (+/-)	Green - Red or Black - Yellow	+,-	Head Unit or Head Unit-Instrument Cluster Control Unit under driver dash, 18 pin plug, pins 1 - 10 or 31 pin plug (C1), pins 11 - 25
Left Front Speaker - With Amp	Green/White - Violet	+,-	Amplifier under right rear trunk floor, 38 pin plug, pins 14 - 13
Right Front Speaker - With Amp	Black/White - Green	+,-	Amplifier under right rear trunk floor, 38 pin plug, pins 5 - 17
Left Rear Speaker - With Amp	Violet/White - Blue	+,-	Amplifier under right rear trunk floor, 38 pin plug, pins 7 - 19
Right Rear Speaker - With Amp	Blue/White - Black	+,-	Amplifier under right rear trunk floor, 38 pin plug, pins 8 - 20
Center Channel - With Amp	Gray/Blue - Gray	+,-	Amplifier under right rear trunk floor, 38 pin plug, pins 12 - 11

Item	Wire Color	Polarity	Wire Location
Subwoofer - With Amp	Gray/White - Green (coil 1); Pink/White - Blue (coil 2)	+,-	Amplifier under right rear trunk floor, 38 pin plug, pins 3 - 15 (coil 1); pins 4 - 16 (coil 2)

What Fits

Item	Size	Depth	Location