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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/White (30A)	+	Front BCM under driver dash, 4 pin plug (A), pin 1
Ground	(chassis ground)		
Starter Kill	Black	+	Front BCM under driver dash, blue 42 pin plug (C), pin 38
Starter	Red/Yellow	-	Electronic Ignition Switch, black 16 pin plug, pin 10
Ignition	Blue/Green	-	Electronic Ignition Switch, black 16 pin plug, pin 9
Ignition Sense	White or Black	+	Front BCM under driver dash, 42 pin plug (D), pin 14
Accessory	Black/Red and Black/Blue	-	Electronic Ignition Switch, black 16 pin plug, pins 6, 12
Keysense	Blue/Yellow and Violet	-	Electronic Ignition Switch, black 16 pin plug, pins 5, 11
Key Release	Yellow/Red	+	Electronic Ignition Switch, black 16 pin plug, pin 14
Data Bus	(IMMOBILIZER AND ELECTRONIC IGNITION SWITCH INTERFACE NEEDED)		
CAN Bus High	Orange/Green (Comfort CAN)	Data	Front BCM under driver dash, blue 42 pin plug (C), pin 42 --or-- Driver Kick, door harness
CAN Bus Low	Orange/Brown (Comfort CAN)	Data	Front BCM under driver dash, blue 42 pin plug (C), pin 34 --or-- Driver Kick, door harness
CAN Bus High 2	Orange/Gray (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low 2	Orange/Brown (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
OBD 12 Volts	Red/Yellow (7.5A)	+	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

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Item	Wire Color	Polarity	Wire Location
IMMO Data	Gray/Brown (LIN)	Data	Electronic Ignition Switch, black 16 pin plug, pin 1
Power Lock	(use factory alarm arm)		
Power Unlock	(use factory alarm disarm)		
Lock Motor	Violet/Green	Reverse	Driver Door Control Unit, 20 pin plug, pin 13
Driver Unlock Motor	Blue/Green or Blue	Reverse	Driver Door Control Unit, 20 pin plug, pin 11
Passenger Unlock Motor	Blue/Green or Blue	Reverse	Passenger Door Control Unit, 20 pin plug, pin 11
Factory Alarm Arm	Blue/Yellow (key lock)	-	Driver Door Control Unit, 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	- 250 Ohms	
Parking Lights	Black/Blue (LF); Gray/Red (RF)	+	Front BCM under driver dash, 42 pin plug (D), pin 26 (LF); pin 4 (RF)
Parking Lights 2	Gray/Yellow (LR); Red/White (RR)	+	Rear BCM in right rear quarter panel, 42 pin plug (B), pin 4 (LR); pin 26 (RR)
Parking Lights -	(LIN)		
Hazards	Violet	-	Front BCM under driver dash, blue 42 pin plug (C), pin 16
Turn Signal (Left)	Black/White (LF); Green/White or Black/White (LR)	+	Front BCM under driver dash, blue 42 pin plug (C), pin 24 (LF); 42 pin plug (D), pin 5 (LR)
Turn Signal (Right)	Black/Green (RF); Black/Green (RR)	+	Front BCM under driver dash, blue 42 pin plug (C), pin 25 (RF); 42 pin plug (D), pin 25 (RR)
Headlight	Yellow		Front BCM under driver dash, 42 pin plug (D), pin 18
AutoLights	(LIN)		
Reverse Light	Blue/Black	+	Rear BCM in right rear quarter panel, 42 pin plug (B), pin 2
Left Front Door Trigger	Red/Blue	-	Driver Door Control Unit, 20 pin plug, pin 5
Right Front Door Trigger	Red/Blue	-	Passenger Door Control Unit, 20 pin plug, pin 5
Left Rear Door Trigger	Red/Blue	-	Left Rear Door Control Unit, 20 pin plug, pin 5
Right Rear Door Trigger	Red/Blue	-	Right Rear Door Control Unit, 20 pin plug, pin 5
Dome Light	(LIN)		

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Item	Wire Color	Polarity	Wire Location
Trunk/Hatch Pin	Gray/Blue	-	Rear BCM in right rear quarter panel, 42 pin plug (B), pin 39
Hood Pin	Yellow/Black	-	Front BCM under driver dash, 42 pin plug (D), pin 38
Trunk/Hatch Release	Yellow/Blue (rear handle switch)	-	Rear BCM in right rear quarter panel, 42 pin plug (A), pin 17
Trunk Release Motor	White/Red	Reverse	Rear BCM in right rear quarter panel, 12 pin plug (C), pin 4
Fuel Door Release	Yellow/White - Red/Brown (lock/unlock)	Reverse	Front BCM under driver dash, 12 pin plug (B), pins 5, 3
Tachometer	Red (3.6L)	AC	ECM in engine compartment passenger rear, 60 pin plug, pin 44
Tachometer 2	Red/Gray (3.6L Turbo, 4.8L Turbo)	AC	ECM in engine compartment passenger rear, 105 pin plug, pin 78
Fuel Pump	Red/Yellow	+	Driver Kick, harness to rear
Rear Defroster	Gray/White	+ Latched	Rear BCM in right rear quarter panel, 42 pin plug (A), pin 36
Mirror Defroster	(Comfort CAN)		
Wiper Deicer	Violet/Green (L); Violet/Yellow (R)	- Latched	Front BCM under driver dash, blue 42 pin plug (C), pin 9 (L); pin 10 (R)
Left Front Heated Seat	Blue/Yellow	Reverse	A/C Control Unit, 3 pin plug, pin 2
Right Front Heated Seat	Blue/White	Reverse	A/C Control Unit, 3 pin plug, pin 3
Heated Steering Wheel	(inside steering wheel)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/Red	+	Passenger Kick, harness to rear --or-- Rear BCM in right rear quarter panel, 42 pin plug (B), pin 27
Parking Brake	Violet/Green (EPB indicator)	-	Electric Parking Brake Switch, 10 pin plug, pin 3
Horn Trigger	White/Violet	+	Front BCM under driver dash, blue 42 pin plug (C), pin 36
Horn - Factory Alarm	(LIN)		
Wipers	(LIN)		

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Item	Wire Color	Polarity	Wire Location
All Windows Up-Down	(use factory alarm arm/disarm)		
Sun Roof (Open/Close)	(LIN)		
Memory Seat 1	Blue	- Resistor	Driver Door Control Unit, 32 pin plug, pin 19
Memory Seat 2	(same as memory seat 1)	- Resistor	
Memory Seat 3	(same as memory seat 1)	- Resistor	
Radio 12V	Red/Yellow	+	Radio, black 8 pin plug, pin 8
Radio Ground	Brown	-	Radio, black 8 pin plug, pin 7
Radio Ignition	(MMI CAN)		
Factory Amp Turn-on	(MOST)		
Left Front Speaker (+/-)	White - White/Black	+,-	Radio, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Gray - Gray/Black	+,-	Radio, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Green - Green/Black	+,-	Radio, brown 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Violet - Violet/Black	+,-	Radio, brown 8 pin plug, pins 1 - 5
Subwoofer (+/-)	White/Red - White/Brown (L); Gray/Red - Gray/Brown (R) (front woofer)	+,-	Radio, black 8 pin plug, pins 2 - 6 (L); pins 1 - 5 (R)
Left Front Speaker - With Amp	White/Red - White/Brown (low); White - White/Black (mid)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 12 - 11; 21 - 9 (Bose); 32 pin plug, pins 3 - 15; 11 - 12 (Burmester)
Right Front Speaker - With Amp	Gray/Red - Gray/Brown (low); Gray - Gray/Black (mid)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 14 - 13; 22 - 10 (Bose); 32 pin plug, pins 4 - 16; 14 - 13 (Burmester)
Left Front Tweeter - With Amp	White - White/Black (Bose); White/Yellow - White/Blue (Burmester)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 36 - 35 (Bose); 32 pin plug, pins 26 - 31 (Burmester)
Right Front Tweeter - With Amp	Gray - Gray/Black (Bose); Gray/Yellow - Gray/Blue (Burmester)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 33 - 34 (Bose); 32 pin plug, pins 27 - 32 (Burmester)

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Item	Wire Color	Polarity	Wire Location
Left Rear Speaker - With Amp	Green - Green/Black (mid); Green/Red - Green/Brown (low, Burmester)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 19 - 7 (Bose); 32 pin plug, pins 7 - 19; 5 - 17 (Burmester)
Right Rear Speaker - With Amp	Violet - Violet/Black (mid); Violet/Red - Violet/Brown (low, Burmester)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 20 - 8 (Bose); 32 pin plug, pins 8 - 20; 6 - 18 (Burmester)
Left Rear Tweeter - With Amp	Green/Yellow - Green/Blue	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 37 - 38 (Bose); 32 pin plug, pins 23 - 28 (Burmester)
Right Rear Tweeter - With Amp	Violet/Yellow - Violet/Blue	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 26 - 27 (Bose); 32 pin plug, pins 24 - 29 (Burmester)
Left Rear Surround - With Amp	Yellow - Blue/Yellow (Bose); Yellow/Green - Blue/Green (Burmester)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 17 - 5 (Bose); 32 pin plug, pins 9 - 21 (Burmester)
Right Rear Surround - With Amp	Yellow - Blue/Yellow (Bose); Yellow/Violet - Blue/Violet (Burmester)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 18 - 6 (Bose); 32 pin plug, pins 10 - 22 (Burmester)
Center Channel - With Amp	Blue - Blue/Black	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 31 - 32 (Bose); 32 pin plug, pins 25 - 30 (Burmester)
Subwoofer - With Amp	Gray/Red - Gray/Brown (Bose); Yellow - Black (Burmester)	+,-	Amplifier in right rear quarter panel, 38 pin plug, pins 16 - 4 (Bose); 12 pin plug, pins 1 - 2 (Burmester)
Subwoofer - With Amp 2	Red/White (Burmester sub amp turn-on)	+	Amplifier in right rear quarter panel, 12 pin plug, pin 6 (Burmester)
Aux. Audio Input Left (+/-)	Green - Gray	+,-	Radio, green 12 pin plug, pins 7 - 1
Aux. Audio Input Right (+/-)	Yellow - Gray	+,-	Radio, green 12 pin plug, pins 2 - 1
Rearview Camera Video	Black - Black	+,-	Radio, blue 12 pin plug, pins 6 - 12

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What Fits

Item	Size	Depth	Location
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