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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	brown/red (50A)	+	BCM/dash fuse box, black 22 pin plug (B), pin 22
Ground	(chassis ground)		
Starter	brown/green (for starter kill only)	+	starter motor --or-- underhood fuse box, 57 pin plug, pin 2
Ignition	blue/gray (for ignition sense only)	+	BCM/dash fuse box, black 22 pin plug (H), pin 6
Accessory	brown/yellow (for accessory sense only)	+	BCM/dash fuse box, black 36 pin plug (F), pin 30
PTS 1	brown/violet	+	start stop switch, black 6 pin plug, pin 1
PTS 2	yellow	-	start stop switch, black 6 pin plug, pin 6
CAN Bus High	blue (HS CAN)	data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 20
CAN Bus Low	white (HS CAN)	data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 19
CAN Bus High 2	gray/orange (MS CAN)	data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 23
CAN Bus Low 2	violet/orange (MS CAN)	data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 22
CAN Bus High 3	green (HS2 CAN)	data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 18
CAN Bus Low 3	gray (HS2 CAN)	data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 17
OBD 12 Volts	white/red (10A)	+	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 13
OBD Ground	black/gray	-	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 1
IMMO Antenna	(PATS antenna is in center console under armrest)		

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Item	Wire Color	Polarity	Wire Location
Power Lock	gray	-	Driver Door Module, 24 pin plug, pin 20
Power Unlock	violet	-	Driver Door Module, 24 pin plug, pin 10
Lock Motor	gray/brown	reverse	BCM/dash fuse box, black 36 pin plug (F), pin 35
Driver Unlock Motor	blue/green	reverse	BCM/dash fuse box, black 36 pin plug (F), pin 27
Passenger Unlock Motor	brown/green	reverse	BCM/dash fuse box, black 36 pin plug (F), pin 32
Factory Alarm Arm	(arms on lock)		
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	blue/gray (LF/RF w/o LED); blue/gray (LR/RR)	+	BCM/dash fuse box, black 22 pin plug (B), pin 3 (LF/RF w/o LED); black 36 pin plug (F), pin 12 (LR/RR)
Parking Lights 2	green/orange (LF); brown/yellow (RF) (with LED)	+	BCM/dash fuse box, black 40 pin plug (C), pin 30 (LF); pin 37 (RF) (with LED)
Parking Lights -	gray	-	headlight switch, black 16 pin plug, pin 11
Parking Lights Interrupt	black/blue	cut	headlight switch, black 16 pin plug, pin 4
Hazards	brown/yellow	-	BCM/dash fuse box, black 52 pin plug (G), pin 19
Turn Signal (Left)	blue/green (LF); gray/orange (LR)	+	BCM/dash fuse box, black 40 pin plug (C), pin 39 (LF); blue 52 pin plug (D), pin 26 (LR)
Turn Signal (Right)	yellow/violet (RF); green/orange (RR)	+	BCM/dash fuse box, black 40 pin plug (C), pin 38 (RF); blue 52 pin plug (D), pin 52 (RR)
Headlight	yellow/blue	-	headlight switch, black 16 pin plug, pin 12
AutoLights	violet/white	cut	headlight switch, black 16 pin plug, pin 13
Reverse Light	blue/white	+	BCM/dash fuse box, black 36 pin plug (F), pin 11
Left Front Door Trigger	green/violet	- N.C	BCM/dash fuse box, blue 52 pin plug (D), pin 33
Right Front Door Trigger	white	- N.C.	BCM/dash fuse box, blue 52 pin plug (D), pin 21
Left Rear Door Trigger	green	- N.C.	BCM/dash fuse box, blue 52 pin plug (D), pin 46

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Right Rear Door Trigger	yellow	- N.C.	BCM/dash fuse box, blue 52 pin plug (D), pin 19
Dome Light	gray/violet	+	BCM/dash fuse box, black 36 pin plug (F), pin 13
Trunk/Hatch Pin	yellow/orange or brown/violet	- N.C.	BCM/dash fuse box, blue 52 pin plug (D), pin 34
Hood Pin	blue/orange	-	BCM/dash fuse box, black 40 pin plug (C), pin 14
Trunk/Hatch Release	gray/yellow	-	release switch, black or brown 6 pin plug, pin 6
Trunk Release Motor	green/white (at latch if power trunk)	+	BCM/dash fuse box, black 36 pin plug (F), pin 33
Fuel Door Release	brown/white to yellow/blue (plug-in hybrid only)	-	release switch --or-- BCM/dash fuse box, black 52 pin plug (G), pin 14
Tachometer	green/blue, gray/yellow, violet/gray, or yellow/orange	ac	fuel injector harness, engine top driver side, 8 pin plug, pin 2, 4, 6, or 8 (1.6L)
Clutch Pedal	blue/orange	-	BCM/dash fuse box, black 52 pin plug (G), pin 14
Fuel Pump	yellow/violet	-	BCM/dash fuse box, black 40 pin plug (C), pin 26
Rear Defroster	brown/blue	- latched	passenger kick, black 59 pin plug, pin 28
Mirror Defroster	(MS CAN)		
Left Front Heated Seat	(MS CAN)		
Right Front Heated Seat	(MS CAN)		
Speed Sense	brown/green	ac	PCM on passenger firewall, 95 pin plug, pin 12 (1.6L/2.0L/1.5L); 50 pin plug, pin 25 (2.5L)
Brake Wire	violet/white	+	BCM/dash fuse box, black 22 pin plug (H), pin 1
Parking Brake	(electric parking brake)		
Horn Trigger	green/white	-	horn switch, black 12 pin plug, pin 1 --or-- BCM/dash fuse box, black 52 pin plug (G), pin 18
Wipers	(LIN bus)		
Left Front Window (Up/Down)	green - blue	A	Driver Door Module, 24 pin plug, pins 13 - 14
Right Front Window (Up/Down)	gray/yellow - white	A	Passenger Door Module, 24 pin plug, pins 13 - 14
Left Rear Window (Up/Down)	violet/orange - gray/brown	A	Left Rear Door Module, 24 pin plug, pins 13 - 14

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Item	Wire Color	Polarity	Wire Location
Right Rear Window (Up/Down)	yellow/orange - violet/white	A	Right Rear Door Module, 24 pin plug, pins 13 - 14
Sun Roof (Open/Close)	violet/brown - yellow/orange (function with ignition on only)	-	overhead console, 24 pin plug, pins 18 - 20
Memory Seat 1	white	-	Driver Door Module, black 20 pin plug, pin 1
Memory Seat 2	yellow	-	Driver Door Module, black 20 pin plug, pin 3
Memory Seat 3	orange	-	Driver Door Module, black 20 pin plug, pin 2
Radio 12V	white/brown	+	radio, black 24 pin plug, pin 1
Radio Ground	black/gray	-	radio, black 24 pin plug, pin 13
Radio Ignition	brown/yellow (delayed accessory)	+	driver kick, door harness - -or-- BCM/dash fuse box, black 36 pin plug (F), pin 30
Radio Illumination	(HS CAN)		
Factory Amp Turn-on	violet/red	+	radio, black 26 pin plug, pin 18
Power Antenna	green/violet	+	radio, black 24 pin plug, pin 2
Left Front Speaker (+/-)	white - white/brown	+,-	radio, black 24 pin plug, pins 22 - 10
Right Front Speaker (+/-)	white/violet - white/orange	+,-	radio, black 24 pin plug, pins 23 - 11
Left Rear Speaker (+/-)	white/green - brown/yellow	+,-	radio, black 24 pin plug, pins 21 - 9
Right Rear Speaker (+/-)	brown/white - brown/blue	+,-	radio, black 24 pin plug, pins 24 - 12
Left Front Speaker - With Amp	white - white/brown (woofer); green/orange - gray/orange (tweeter)	+,-	amplifier in trunk right side, gray 16 pin plug, pins 2 - 10 (woofer); pins 3 - 11 (tweeter)
Right Front Speaker - With Amp	white/violet - white/orange (woofer); violet/orange - yellow/orange (tweeter)	+,-	amplifier in trunk right side, gray 16 pin plug, pins 6 - 14 (woofer); pins 7 - 15 (tweeter)
Left Rear Speaker - With Amp	white/green - brown/yellow	+,-	amplifier in trunk right side, gray 16 pin plug, pins 4 - 12
Right Rear Speaker - With Amp	brown/white - brown/blue	+,-	amplifier in trunk right side, gray 16 pin plug, pins 8 - 16
Center Channel - With Amp	green - gray/yellow (F); green/brown - violet/brown (R)	+,-	amplifier trunk right side, gray 16 pin plug, pins 1 - 9 (F); pins 5 - 13 (R)

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Item	Wire Color	Polarity	Wire Location
Subwoofer - With Amp	green/violet - gray (L); violet - yellow (R)	+,-	amplifier in trunk right side, 16 pin plug, pins 2 - 10 (L); pins 1 - 9 (R)
Aux. Audio Input Left (+/-)	blue - gray/orange (SYNC audio)	+,-	radio, black 26 pin plug, pins 12 - 25
Aux. Audio Input Right (+/-)	violet/green or violet - brown/white (SYNC audio)	+,-	radio, black 26 pin plug, pins 13 - 26
Rearview Camera Video	white/green - brown/violet	+,-	SYNC Module/display, black 54 pin plug, pins 14 - 15



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What Fits

Item	Size	Depth	Location
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Additional Wiring Notes

Item	Note
Parking Lights Interrupt	See Tech Doc 1096
Parking Lights -	See Tech Doc 1096
Tachometer	On 2.0L models, they are at the front driver side of engine, 16 pin plug, pin 1, 4, 5, or 6. On 2.5L and hybrid models, they are at any fuel injector, 2 pin plug, pin 1. On 1.5L models, they are at the top passenger side of engine, 8 pin plug, pin 1, 3, 5, or 7.