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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/gray (30A)	+	BCM in center console front passenger side, blue 27 pin plug, pin 4
Ground	(chassis ground)		
Starter	yellow or black/red (for starter kill only)	+	starter motor or underhood fuse box, black 50 pin plug (X3), pin 5
Ignition	violet/black	+	BCM in center console front passenger side, green 25 pin plug, pin 6
Accessory	violet/yellow	+	BCM in center console front passenger side, green 25 pin plug, pin 5
PTS 1	blue/green	-	BCM in center console front passenger side, blue 27 pin plug, pin 17
CAN Bus High	blue	data	BCM in center console front passenger side, blue 27 pin plug, pin 24
CAN Bus Low	white	data	BCM in center console front passenger side, blue 27 pin plug, pin 23
CAN Bus High 2	blue	data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low 2	white	data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus SW	green	data	BCM in center console front passenger side, blue 27 pin plug, pin 22
CAN Bus SW 2	green	data	OBD-Data Link Connector, black 16 pin plug, pin 1
OBD 12 Volts	red/blue (7.5A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	black	-	OBD-Data Link Connector, black 16 pin plug, pin 4
IMMO Data	green/violet	data	BCM in center console front passenger side, green 25 pin plug, pin 2
Power Lock	brown/yellow	-	door lock switch or BCM in center console front passenger side, blue 27 pin plug, pin 19

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Item	Wire Color	Polarity	Wire Location
Power Unlock	brown/white	-	door lock switch or BCM in center console front passenger side, blue 27 pin plug, pin 15
Lock Motor	brown/yellow	5 wire	BCM in center console front passenger side, pink 27 pin plug, pin 4
Driver Unlock Motor	gray	5 wire	BCM in center console front passenger side, pink 27 pin plug, pin 1
Passenger Unlock Motor	gray/green	5 wire	BCM in center console front passenger side, pink 27 pin plug, pin 2
Factory Alarm Arm	(arms on lock with door open)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(Passkey and ignition)		
Parking Lights	violet/gray (L); gray/brown (R)	+	BCM in center console front passenger side, black 26 pin plug, pins 6, 5
Parking Lights -	green/gray	-	headlight switch or BCM in center console front passenger side, white 26 pin plug, pin 22
Hazards	green/white	-	hazard switch or BCM in center console front passenger side, blue 27 pin plug, pin 26
Turn Signal (Left)	blue/white (F); blue/white (R)	+	BCM in center console front passenger side, brown 26 pin plug, pins 2, 1
Turn Signal (Right)	green/violet (F); blue/violet (R)	+	BCM in center console front passenger side, black 26 pin plug, pins 3, 4
Headlight	white/violet	-	headlight switch or BCM in center console front passenger side, white 26 pin plug, pin 16
AutoLights	green/brown (ground to turn off)	-	headlight switch or BCM in center console front passenger side, white 26 pin plug, pin 11
Reverse Light	green/white	+	BCM in center console front passenger side, gray 26 pin plug, pin 3
Left Front Door Trigger	gray (express down window); gray (express up/down window)	-	driver window switch, black 8 pin plug, pin 6; driver window motor, black 7 pin plug, pin 6

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Item	Wire Color	Polarity	Wire Location
Right Front Door Trigger	gray	-	passenger window switch, black 8 pin plug, pin 6
Left Rear Door Trigger	gray	-	left rear window switch, black 8 pin plug, pin 2
Right Rear Door Trigger	gray	-	right rear window switch, black 8 pin plug, pin 2
Dome Light	gray	+	BCM in center console front passenger side, gray 26 pin plug, pin 1
Trunk/Hatch Pin	violet/gray	-	BCM in center console front passenger side, pink 27 pin plug, pin 5
Hood Pin	brown/green	-	BCM in center console front passenger side, black 26 pin plug, pin 24
Trunk/Hatch Release	yellow/blue (rear handle switch)	-	BCM in center console front passenger side, pink 27 pin plug, pin 15
Trunk Release Motor	gray/yellow	+	BCM in center console front passenger side, brown 26 pin plug, pin 11
Tachometer	brown/violet, yellow/white, brown/yellow, brown, or green/yellow	ac	any fuel injector, black 2 pin plug, pin 2
Wait to Start	green/brown or dk. blue	-	driver kick, black 102 pin plug, pin 57
Clutch Pedal	yellow	- 560 ohms	clutch switch, black 3 pin plug, pin B
Fuel Pump	violet/black (gas); gray (diesel)	+	underhood fuse box, black 74 pin plug (X2), pin 15; 6
Rear Defroster	brown/violet	+ latched	driver kick, black 102 pin plug, pin 61
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	violet/white	+	BCM in center console front passenger side, black 26 pin plug, pin 11
Brake Activation	blue/yellow	MUX	BCM in center console front passenger side, blue 27 pin plug, pin 7
Brake Activation 5V Ref	white	+	BCM in center console front passenger side, blue 27 pin plug, pin 13

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Parking Brake	blue/violet	-	parking brake switch or BCM in center console front passenger side, gray 26 pin plug, pin 15
Horn Trigger	green/white to brown/white	-	horn switch or BCM in center console front passenger side, brown 26 pin plug, pin 19
Wipers	gray	+	BCM in center console front passenger side, black 26 pin plug, pin 16
Left Front Window (Up/Down)	green/gray - yellow/violet (without express up/down only)	A	driver window switch, black 8 pin plug, pins 2 - 3
Right Front Window (Up/Down)	green/gray - yellow/blue	A	passenger window switch, black 8 pin plug, pins 2 - 3
Left Rear Window (Up/Down)	blue/violet - yellow/blue	A	left rear window switch, black 8 pin plug, pins 6 - 7
Right Rear Window (Up/Down)	blue/gray - green/black	A	right rear window switch, black 8 pin plug, pins 6 - 7
Sun Roof (Open/Close)	blue/violet (open) (functions with ignition on only)	- 100 ohms	sunroof switch, black 4 pin plug, pin 4
Sun Roof (Limit/Close)	(close) (same as sun roof open)	- 940 ohms	
Radio 12V	red/green	+	radio, black 44 pin plug, pin 44
Radio Ground	black	-	radio, black 44 pin plug, pin 38
Radio Ignition	(low speed GMLAN)		
Radio Illumination	(low speed GMLAN)		
Factory Amp Turn-on	green/yellow	+	radio, black 44 pin plug, pin 43
Left Front Speaker (+/-)	blue - brown/blue	+,-	radio, black 44 pin plug, pins 40 - 32
Right Front Speaker (+/-)	yellow - yellow/black or yellow - blue/brown	+,-	radio, black 44 pin plug, pins 39 - 31
Left Rear Speaker (+/-)	green - green/black or green/black - brown/violet	+,-	radio, black 44 pin plug, pins 42 - 34
Right Rear Speaker (+/-)	white - blue/black or brown/white - blue/black	+,-	radio, black 44 pin plug, pins 41 - 33
Center Channel (+/-)	yellow/white - blue/yellow	+,-	amplifier in trunk right side, black 16 pin plug, pins 7 - 8
Subwoofer (+/-)	green/violet - gray/black (L); blue/gray - green/black (R)	+,-	amplifier in trunk right side, black 8 pin plug, pins 3 - 2; 1 - 5
Aux. Audio Input Left (+/-)	gray - violet or violet - green	+,-	radio, black 44 pin plug, pins 24 - 23

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Item	Wire Color	Polarity	Wire Location
Aux. Audio Input Right (+/-)	green - violet or brown - green	+,-	radio, black 44 pin plug, pins 10 - 23
Satellite Radio 12 Volts	(built into radio)		



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What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5	3.25	left front door
Left Front Tweeter	1	1	left front pillar
Right Front Speaker	6.5	3.25	right front door
Right Front Tweeter	1	1	right front pillar
Left Rear Speaker	6.5	3	left rear door
Right Rear Speaker	6.5	3	right rear door
Center Channel			top center of dash
Subwoofer	6 x 9	5	left and right side of trunk
Satellite Radio Tuner	(built into radio)		



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Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are blue - brown/blue at the amplifier in trunk right side, black 16 pin plug, pins 1 - 2.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are green - green/black at the amplifier in trunk right side, black 16 pin plug, pins 3 - 4.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are yellow - yellow/black at the amplifier in trunk right side, black 16 pin plug, pins 11 - 12.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are white - blue/black at the amplifier in trunk right side, black 16 pin plug, pins 10 - 9.
Tachometer	On diesel models, use purple/black at the camshaft position sensor on passenger side of engine, black 3 pin plug, pin 2.