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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red or red/brown (20A)	+	left of steering column, gray 43 pin plug, pin 12
Second 12 Volts	red (10A)	+	Sentry Key Module on ignition switch, black 8 pin plug, pin 5
Ground	(chassis ground)		
Starter	yellow/gray (for starter kill only)	+	driver fender, black 14 pin plug, pin 8
Second Starter	violet/brown (use interface module or Tech Doc 1084)	- 180 ohms	ignition switch, black 5 pin plug, pin 2
Ignition	pink/white	+	Sentry Key Module on ignition switch, black 8 pin plug, pin 3
Accessory	same as second starter	- 610 ohms	
MUX Ignition	violet/brown	MUX	Sentry Key Module on ignition switch, black 8 pin plug, pin 1
Keysense	same as second starter	- 8200 ohms	
CAN Bus High	white/orange (CAN B bus)	data	Sentry Key Module on ignition switch, black 8 pin plug, pin 6
CAN Bus Low	white/pink (CAN B bus)	data	Sentry Key Module on ignition switch, black 8 pin plug, pin 7
CAN Bus High 2	white/tan (CAN C bus)	data	OBD-data link connector, black 16 pin plug, pin 6
CAN Bus Low 2	white/dk. blue (CAN C bus)	data	OBD-data link connector, black 16 pin plug, pin 14
Power Lock	lt. green/dk. green	- 330 ohms	left of steering column, black 43 pin plug, pin 30
Power Unlock	same as power lock	- 100 ohms	
Lock Motor	tan/dk. blue	5 wire	left of steering column, black 43 pin plug, pin 11
Driver Unlock Motor	tan/dk. green	5 wire	left of steering column, black 43 pin plug, pin 39
Passenger Unlock Motor	tan/white	5 wire	left of steering column, black 43 pin plug, pin 12
Factory Alarm Arm	arms on lock with door open		
Factory Alarm Disarm	see disarm no unlock		
Disarm No Unlock	Sentry Key, ignition, and keysense		
Parking Lights	white/violet	+	driver kick, harness to rear
Parking Lights -	(LIN bus)		
Hazards	(LIN bus)		

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Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	white/lt. green (F); dk. green/red (R)	+	turn signal light (F); driver kick, harness to rear (R)
Turn Signal (Right)	white/tan (F); white/yellow (R)	+	turn signal light (F); driver kick, harness to rear (R)
Headlight	white/dk. blue (L); white/tan (R)	+	headlights
Reverse Light	white/lt. green	+	driver kick, harness to rear
Left Front Door Trigger	violet/dk. blue	-	left of steering column, black 43 pin plug, pin 17
Right Front Door Trigger	violet/white	-	left of steering column, black 43 pin plug, pin 15
Left Rear Door Trigger	violet/gray	-	left of steering column, black 43 pin plug, pin 24 or 19
Right Rear Door Trigger	violet/yellow	-	left of steering column, black 43 pin plug, pin 23
Dome Light	yellow/white	+	driver front pillar, gray 20 pin plug, pin 12
Trunk/Hatch Pin	violet/orange	-	left of steering column, black 43 pin plug, pin 1
Hood Pin	violet/lt. blue	-	hood switch, black 2 pin plug, pin 1
Trunk/Hatch Release	locks/unlocks along with doors		
Tachometer	brown/yellow, brown/dk. blue, brown/lt. blue, or brown/tan	ac	any fuel injector, black 2 pin plug, pin 1
Clutch Pedal	dk. green/orange	-	clutch switch, black 3 pin plug, pin 3
Fuel Pump	dk. blue/orange	+	driver kick, harness to rear
Rear Defroster	lt. blue/orange	5 wire	driver kick, harness to rear
Mirror Defroster	dk. blue/gray	5 wire	driver kick, door harness
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		
Speed Sense	dk. green/black (CVT)	ac	Transmission Control Module under driver dash, gray 24 pin plug, pin 14
Brake Wire	dk. green/white	+	left of steering column, black 43 pin plug, pin 27
Parking Brake	dk. green/white	-	parking brake switch
Horn Trigger	gray/yellow (1), gray/lt. blue (2)	5 wire	horns or underhood fuse box, green 22 pin plug, pins 9, 8
Wipers	brown/white (LO), brown/orange (HI)	+	wiper motor, gray 5 pin plug, pins 1, 4

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Item	Wire Color	Polarity	Wire Location
Left Front Window (Up/Down)	orange/lt. green - orange/white	A	driver power window switch, gray 8 pin plug, pins 7 - 6
Right Front Window (Up/Down)	orange/tan - orange/black	A	driver kick, door harness
Left Rear Window (Up/Down)	orange/white - orange/gray	A	driver kick, door harness
Right Rear Window (Up/Down)	orange/lt. blue - orange/dk. blue	A	driver kick, door harness
Sun Roof (Open/Close)	orange/tan - orang/lt. blue (function with ignition on only)	+	sunroof switch, black 4 pin plug, pins 3 - 4
Radio 12V	red	+	radio, gray 22 pin plug, pin 1
Radio Ground	black	-	radio, gray 22 pin plug, pin 12
Radio Ignition	(CAN B bus)		
Radio Illumination	(CAN B bus)		
Factory Amp Turn-on	(CAN B bus)		
Power Antenna	gray/red	+	radio, gray 22 pin plug, pin 7
Left Front Speaker (+/-)	gray/violet - gray/yellow	+,-	radio, gray 22 pin plug, pins 21 - 22
Right Front Speaker (+/-)	dk. green/violet - dk. green/yellow	+,-	radio, gray 22 pin plug, pins 19 - 20
Left Rear Speaker (+/-)	dk. green/dk. blue - dk. green/orange	+,-	radio, gray 22 pin plug, pins 8 - 9
Right Rear Speaker (+/-)	gray/dk. blue - gray/orange	+,-	radio, gray 22 pin plug, pins 10 - 11
Subwoofer (+/-)	(same as rear speakers)		
Rearview Camera Video	dk. green/brown - dk. green/orange	+,-	radio, white 22 pin plug, pins 4 -3
Satellite Radio 12 Volts	(built into radio)		



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What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 9	4	left front door
Left Front Tweeter	2.5	2	left front dash
Right Front Speaker	6 x 9	4	right front door
Right Front Tweeter	2.5	2	right front dash
Left Rear Speaker	6 x 9	4	left rear door
Left Rear Tweeter	3.5	2.5	left rear liftgate
Right Rear Speaker	6 x 9	4	right rear door
Right Rear Tweeter	3.5	2.5	right rear liftgate
Subwoofer	8	6	right rear quarter panel
Satellite Radio Tuner	(built into radio)		



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Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the door speaker wires are dk. blue - dk. blue/black at the amplifier in right side of cargo area, white 14 pin plug, pins 1 - 7. The dash speaker wires are gray/tan - gray/brown at the amplifier, white 20 pin plug, pins 1 - 10.
Left Rear Speaker (+/-)	On models with amplifier, the door speaker wires are tan - tan/white at the amplifier in right side of cargo area, white 14 pin plug, pins 3 - 9. The liftgate speaker wires are lt. blue - lt. blue/black at the amplifier, white 14 pin plug, pins 5 - 13.
Right Front Speaker (+/-)	On models with amplifier, the door speaker wires are gray - gray/white at the amplifier in right side of cargo area, white 14 pin plug, pins 2 - 8. The dash speaker wires are gray/dk. green - gray/lt. green at the amplifier, white 20 pin plug, pins 2 - 11.
Right Rear Speaker (+/-)	On models with amplifier, the door speaker wires are yellow/black - yellow/dk. green at the amplifier in right side of cargo area, white 14 pin plug, pins 4 - 12. The liftgate speaker wires are pink - pink/black at the amplifier, white 14 pin plug, pins 6 - 14.