# 2014 Hyundai Santa Fe (Smart Key)



# Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (50A)	+	dash fuse box, white 4 pin plug (B), pin 4
Second 12 Volts	white (50A)	+	dash fuse box, white 4 pin plug (B), pin 1
Starter	pink	+	driver kick, black 46 pin plug, pin 11
Second Starter	yellow/orange (SS1); orange/black (SS2)	-	start/stop button switch, black 16 pin plug, pins 2, 3
Ignition	green	+	driver kick, black 46 pin plug, pin 21
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	blue	+	driver kick, black 46 pin plug, pin 26
Second Accessory	pink	+	driver kick, black 46 pin plug, pin 36
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	white/orange (EMS COM immobilizer data)	data	driver kick, black 46 pin plug, pin 32
Can Bus High	blue (B-CAN); green (C-CAN)	data	driver kick, wht 48 pin plug, pin 24; data lnk conn, blk 16 pin plg, pin 6
Can Bus Low	red (B-CAN); orange (C-CAN)	data	driver kick, wht 48 pin plug, pin 33; data lnk conn, bk 16 pin plg, pin14
Can Bus Sw	N/A		
Power Lock	brown/orange	-	dash fuse box, rear, white 32 pin plug (E), pin 5
Power Unlock	yellow/black (passenger doors)	-	dash fuse box, rear, white 32 pin plug (E), pin 6
Lock Motor	orange	5 wire	dash fuse box, gray or black 51 pin plug (C), pin 48
Unlock Motor	blue	5 wire	driver kick, white 48 pin plug, pin 21
Disarm Defeat	green	5 wire	dash fuse box, gray or black 51 pin plug (C), pin 47
Parking Lights (+)	green/black (L); yellow/black (R)	+	dash fuse box, white 24 pin plug (D), pins 14, 16
Parking Lights (-)	pink	-	headlight switch, white 16 pin plug, pin 15
Hazards	pink	-	dash fuse box, rear, white 24 pin plug (H), pin 13
Turn Signal (Left)	yellow (F); gray (R)	+	dash fuse box, blu 31 pin plug (A), pin 6; wht 24 pin plug (D), pin 21
Turn Signal (Right)	white (F); white/black (R)	+	dash fuse box, blu 31 pin plug (A), pin 2; wht 24 pin plug (D), pin 1

# Wiring Information (Continued)

•	` ,		
Item	Wire Color	Polarity	Wire Location
Headlight	blue/orange	-	headlight switch, white 16 pin plug, pin 16
AutoLights	yellow (interrupt to turn off autolights)	-	headlight switch, white 16 pin plug, pin 14
Reverse Light	red	+	dash fuse box, gray or black 51 pin plug (C), pin 41
Left Front Door Trigger	gray/orange	-	power window main switch, white 32 pin plug, pin 21
Right Front Door Trigger	yellow/black	-	passenger power window sw, wht 20 pin plug, pin 20
Left Rear Door Trigger	white	-	dash fuse box, white 24 pin plug (D), pin 9
Right Rear Door Trigger	brown/black	-	dash fuse box, white 24 pin plug (D), pin 8
Dome Supervision	brown	-	left front pillar, white 34 pin plug, pin 29, or white 36 pin plg, pin 23
Trunk/Hatch Pin	white	-	dash fuse box, white 24 pin plug (D), pin 24
Rear Glass Pin	N/A		
Hood Pin	pink/black	-	dash fuse box, blue 31 pin plug (A), pin 4
Trunk Hatch/Release	gray/black (rear handle switch)	-	dash fuse box, white 24 pin plug (D), pin 3
Trunk Release Motor	blue	+	dash fuse box, gray or black 51 pin plug (C), pin 19
Fuel Door Release	blue	+	driver kick, harness to rear
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	brn/blk (key lock); red/og (detect)(Tech Doc 1300)	- and open	power window main switch, white 32 pin plug, pins 22, 24
Factory Alarm Disarm	pnk/blk (key unlck); rd/og (detect)(Tech Doc 1300)		power window main switch, white 32 pin plug, pins 23, 24
Disarm No Unlock	(see factory alarm disarm)		
Trunk Alarm Shunt	N/A		
Tachometer	white	ac	driver kick, black 46 pin plug, pin 13
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	pink	+	driver kick, blue 31 pin plug, pin 21 or 10
Rear Defroster	grn/org (rear defog); blu/org or blue (frt deicer)	- latched	dash fuse box, blue 31 pin plug (A), pins 14, 12
Mirror Defroster	(B-CAN)		
Left Front Heated Seat	brown/black or gray/black	+	left seat warmer switch, white 26 pin plug, pin 2
Right Front Heated Seat	brown/black or gray/black	+	right seat warmer switch, green 26 pin plug, pin 2

# Wiring Information (Continued)

Speed Sense   Drown/orange   4-Pulse   data link conn, bilk 16 pin pilug, pin 3 or radio, whit 24 pin pilug, pin 3 or radio, whit 24 pin pilug, pin 3 or radio, whit 24 pin pilug, pin 20   Parking Brake   gray/orange   -   dash fuse box, white 24 pin pilug, pin 20   driver kick, black 46 pin pilug, pin 30   driver kick, black 46 pin pilug, pin 31   driver kick, b		I		
Brake Wire red/orange + driver kick, black 46 pin plug, pin 20 Parking Brake gray/orange - dash fuse box, white 24 pin plug, pin 30 Wipers orange/black + driver kick, black 46 pin plug, pin 30 Wipers orange/black + driver kick, black 46 pin plug, pin 30 Wipers orange/black + driver kick, black 46 pin plug, pin 30 Wipers orange/black + driver kick, black 46 pin plug, pin 30 Wipers orange/black + driver kick, black 46 pin plug, pin 30 Wipers orange/black + driver kick, black 46 pin plug, pin 31 - 12 Wipers orange/black + driver kick, black 46 pin plug, pin 41 - 12 Wipers orange/black + driver kick, black 46 pin plug, pin 41 - 12 Wipers orange/black + province kick plack 46 pin plug, pins 11 - 12 Wipers orange/black - brownblack (funct with ing on only) Sun Roof (Open/Close) Sun Roof (Dimit/Close) Wing or on only) Wing or on only) Wing or on only) Wing or on only Wing	Item	Wire Color	Polarity	Wire Location
Parking Brake gray/orange - dash fuse box, white 24 pin plug (D), pin 2 Horn Trigger gray - driver kick, black 46 pin plug, pin 30 Wilter - pink (with auto down only) White - pink (with auto down only) White - pink (with auto down only) Right Front Window (Up/Down) White - pink (with auto down only) Right Rear Window (Up/Down) Right Rear Window (Up/Down) Dink - brown A left rear power window switch, white 18 pin plug, pins 11 - 12 Right Rear Window (Up/Down) Right Rear Window (Up/Down) Sun Roof (Open/Close) Sun Roof (Open/Close) Sun Roof (Upin) Sun Roof (Open/Close) Sun Roof (Upin) Sun Roof (Open/Close) Sun Roof (Upin) Sun Roof (U	Speed Sense	brown/orange	4-Pulse	
Horn Trigger Wipers orange/black + driver kick, black 46 pin plug, pin 30 Wipers white - pink (with auto down only) Right Front Window (Up/Down) Right Front Window (Up/Down) Right Front Window (Up/Down) Right Front Window (Up/Down) Right Rear Right Rear Window (Up/Down) Right Rear Window (Up/Down) Right Rear Rear Rear Rear Rear Rear Rear Rear	Brake Wire	red/orange	+	driver kick, black 46 pin plug, pin 20
Wipers	Parking Brake	gray/orange	-	dash fuse box, white 24 pin plug (D), pin 2
Left Front Window (Up/Down) white - pink (with auto down only)  Right Front Window (Up/Down) white - pink (Up/Down)  Left Rear Window (Up/Down) pink - brown A left rear power window switch, white 18 pin plug, pins 11 - 12  Right Rear Window (Up/Down) blue - orange A right rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) blue - orange A right rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) blue - orange A right rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) blue - orange A right rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) blue - orange A right rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 14 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 18 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 18 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 18 pin plug, pins 9 - 12  Right Rear Window (Up/Down) A left rear power window switch, white 18 pin plug, pins 10 - 12  Right Rear Window Main switch, white 14 pin plug, pins 11 - 12  Right Rear Window Main switch, white 14 pin plug, pins 11 - 12  Right Rear Window Main switch, white 18 pin plug, pins 1 - 12  Right Rear Window Main switch, white 18 pin plug, pins 1 - 12  Right Rear Window Main switch, white 18 pin plug, pins 1 - 12  Right Rear Window Main switch, whit	Horn Trigger	gray	-	driver kick, black 46 pin plug, pin 30
mile Front Window (Up/Down) white - pink A passenger power window switch, white 18 pin plug, pins 11 - 12 (Up/Down) pink - brown A left rear power window switch, white 14 pin plug, pins 9 - 12 right rear power window switch, white 14 pin plug, pins 1 - 10 right rear power window switch, white 14 pin plug, pins 1 - 10 right rear power window switch, white 14 pin plug, pins 1 - 10 right rear power window switch, white 18 pin plug, pins 1 - 10 right rear power window switch, white 18 pin plug, pins 1 - 10 right rear power window switch, white 18 pin plug, pins 1 - 10 right rear power window switch, white 18 pin plug, pins 1 - 10 right rear power window switch, white 18 pin plug, pins 1 - 10 right rear power window switch, white 18 pin plug, pins 1 - 10 right rear power window sw	Wipers	orange/black	+	driver kick, black 46 pin plug, pin 8
Left Rear Window (Up/Down) Left Rear Window (Up/Down) Left Rear Window (Up/Down) Sun Roof (Open/Close) gray/black - brown/black (funct with ign on only) Sun Roof (Limit/Close) Sun Roof (Limit/Close) Sun Roof (Limit/Close) N/A Wemory Seat 1 Blue - power window main switch, white or black 6 pin plug, pins 2 - 3 Sun Roof (Limit/Close) Memory Seat 2 India Blue - power window main switch, white 32 pin plug, pin 19 Memory Seat 3 N/A Radio 12V India Black - power window main switch, white 32 pin plug, pin 18 Memory Seat 3 Rodio 12V India Black - gradio, white 24 pin plug, pin 12 Radio Ground India Black - gradio, white 24 pin plug, pin 12 Radio Illumination India Black - gradio, white 18 pin plug, pin 11 Radio Illumination India Black - gradio, white 18 pin plug, pin 18 Left Front Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 2 - 11 Right Front Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white + gradio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (4-) India Brown - white - black India Brown - white - black India Brown - white - black India Brown - white - green - orange + green - orange + green - orange + green - black/orange or yellow black/orange or yellow black/orange or yellow black/orange or	Left Front Window (Up/Down)		А	power window main switch, white 18 pin plug, pins 11 - 12
Right Rear Window (Up/Down)  Sun Roof (Open/Close)  gray/black - brown/black (funct with ign on only)  Sun Roof (Limit/Close)  N/A  Memory Seat 1  Memory Seat 2  red/black power window main switch, white 32 pin plug, pin 19  Memory Seat 3  Rodio 12V  Radio 12V  Radio 12V  Radio Illumination  red/orange (parking lights): blue/orange (immer)  Factory Amp Turn-on  (M-CAN)  Power Antenna  green + radio, white 18 pin plug, pin 8 - 11  Right Rear Speaker (+/-)  Right Rear Speaker (+/-)  Subwoofer (+/-)  White - black  A right rear power window switch, white 14 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 3  sunroof switch, white or black 6 pin plug, pins 2 - 19  power window main switch, white 32 pin plug, pin 19  power window main switch, white 32 pin plug, pin 19  power window main switch, white 32 pin plug, pin 19  power window main switch, white 32 pin plug, pin 19  radio, white 24 pin plug, pin 12  radio, white 24 pin plug, pin 24  radio, white 18 pin plug, pins 3, 17  radio, white 18 pin plug, pins 3, 12  Left Front Speaker (+/-)  green - orange (1); blue - red (2)  Aux. Audio Input Left (+/-)  green - orange (1); blue - red (2)  Aux. Audio Input Right (+/-)  green - black/orange or brown - black/orange  had radio, white 18 pin plug, pins 3 - 26; 12 - 25  aux. Audio Input Right (+/-)  green - black/orange  h- radio, white 18 pin plug, pins 3 - 10  amplifier under passenger seat, white 6 pin plug, pins 7 - 15  amplifier under passenger seat, white 16 pin plug, pins 7 - 15  amplifier under pass seat, white 26 pin plug, pins 8 - 9  black/orange	, 0	white - pink	А	passenger power window switch, white 18 pin plug, pins 11 - 12
Sun Roof (Open/Close)  Sun Roof (Initt/Close)  N/A  Memory Seat 1  Memory Seat 2  red/black - power window main switch, white 32 pin plug, pin 19  Memory Seat 3  N/A  Radio 12V  pink or red + radio, white 24 pin plug, pin 12  Radio Ground  Badio Illumination  red/orange (parking lights); blue/orange (dimmer)  Factory Amp Turn-on  (M-CAN)  Power Antenna  green + radio, white 18 pin plug, pin 18  Left Front Speaker (+/-)  Right Rear Speaker (+/-)  Right Rear Speaker (+/-)  Center Channel (+/-)  Subwoofer (+/-)  green - orange (1); blue - red black  Left Aux. Audio Input Left (+/-)  Ray Green - black/orange or yellow - black (rear view camera)  RSE Audio Left (+/-)  RSE Audio Left (+/-)  Right Radio Ground  N/A  Satellite Radio Ground  Satellite Radio Antenna  N/A  Satellite Radio Antenna  Satellite Addio Left (+/-)  N/A  Satellite Addio Left (+/-)  N/A  Satellite Radio Antenna  Satellite Addio Left (+/-)  N/A  Satellite Radio Antenna	Left Rear Window (Up/Down)	pink - brown	Α	left rear power window switch, white 14 pin plug, pins 9 - 12
Sun Roof (Limit/Close)  N/A  Memory Seat 1  blue  - power window main switch, white 32 pin plug, pin 19  Memory Seat 2  red/black  - power window main switch, white 32 pin plug, pin 19  Memory Seat 3  N/A  Radio 12V  pink or red  + radio, white 24 pin plug, pin 12  Radio Ground  black  - radio, white 24 pin plug, pin 24  Radio Illumination  red/orange (parking lights); blue/orange (dimmer)  Factory Amp Turn-on  (M-CAN)  Power Antenna  green  + radio, white 18 pin plug, pins 8, 17  Bight Front Speaker (+/-)  Right Front Speaker (+/-)  Right Rear Speaker (+/-)  green - orange  +, radio, white 18 pin plug, pins 4 - 13  Center Channel (+/-)  green - orange (1); blue - red (2)  Aux. Audio Input Left (+/-)  green - black/orange or brown-black/orange  Aux. Audio Input Right (+/-)  Right Rear Speaker (+/-)  white - black/orange or brown-black/orange  Aux. Audio Input Right (+/-)  Right Rear Speaker (+/-)  Right Rear Speaker (+/-)  green - black/orange or brown-black/orange  +, radio, white 24 pin plug, pins 3 - 26; 12 - 25  Aux. Audio Input Right (+/-)  white - black/orange or brown-black/orange  +, radio, white 24 pin plug, pins 3 - 26; 12 - 25  RSE Audio Right (+/-)  N/A  RSE Audio Right (+/-)  N/A  Satellite Radio 12 Volts  Satellite Radio Ground  Satellite Radio Ground  Satellite Radio Ignition  N/A  Satellite Radio Antenna		blue - orange	A	right rear power window switch, white 14 pin plug, pins 9 - 12
Memory Seat 1         blue         -         power window main switch, white 32 pin plug, pin 19           Memory Seat 2         red/black         -         power window main switch, white 32 pin plug, pin 18           Memory Seat 3         N/A         -         power window main switch, white 32 pin plug, pin 18           Radio IZV         pink or red         +         radio, white 24 pin plug, pin 12           Radio Ignition         black         -         radio, white 24 pin plug, pin 24           Radio Illumination         red/orange (graking lights): blue/orange (gimmer)         +, radio, white 18 pin plug, pin 8, 17           Factory Amp Turn-on         (M-CAN)         -         radio, white 18 pin plug, pins 8, 17           Factory Amp Turn-on         (M-CAN)         -         radio, white 18 pin plug, pins 8, 17           Factory Amp Turn-on         (M-CAN)         -         radio, white 18 pin plug, pins 8, 17           Factory Amp Turn-on         (M-CAN)         -         radio, white 18 pin plug, pins 8, 17           Factory Amp Turn-on         (M-CAN)         +         radio, white 18 pin plug, pins 9, 17           Factory Amp Turn-on         (M-CAN)         +, radio, white 18 pin plug, pins 2, 11         18           Left Front Speaker (4-/-)         pellow - black         +, radio, white 18 pin plug, pins 2-11         19 <th>Sun Roof (Open/Close)</th> <th></th> <th>-</th> <th>sunroof switch, white or black 6 pin plug, pins 2 - 3</th>	Sun Roof (Open/Close)		-	sunroof switch, white or black 6 pin plug, pins 2 - 3
Memory Seat 2     red/black     -     power window main switch, white 32 pin plug, pin 18       Memory Seat 3     N/A     -     power window main switch, white 32 pin plug, pin 12       Radio 12V     pink or red     +     radio, white 24 pin plug, pin 12       Radio Ignition     brown     +     radio, white 24 pin plug, pin 24       Radio Illumination     red/orange (parking lights); blue/orange (dimmer)     +,-     radio, white 18 pin plug, pins 8, 17       Factory Amp Turn-on     (M-CAN)     -     radio, white 18 pin plug, pins 8, 17       Power Antenna     green     +     radio, white 18 pin plug, pins 8, 17       Left Front Speaker (+/-)     brown - white     +,-     radio, white 18 pin plug, pins 2 - 11       Right Front Speaker (+/-)     red - blue     +,-     radio, white 18 pin plug, pins 2 - 11       Right Rear Speaker (+/-)     yellow - black     +,-     radio, white 18 pin plug, pins 3 - 12       Left Rear Speaker (+/-)     green - orange     +,-     radio, white 18 pin plug, pins 1 - 10       Right Rear Speaker (+/-)     green - orange     +,-     radio, white 18 pin plug, pins 3 - 12       Left Rear Speaker (+/-)     green - orange     +,-     amplifier under passenger seat, white 16 pin plug, pins 4 - 13       Center Channel (+/-)     green - black/orange or yellow - black/orange     +,-     radio, white 24 pin plug, pins 13 - 26	Sun Roof (Limit/Close)	N/A		
Memory Seat 3 Radio 12V pink or red + radio, white 24 pin plug, pin 12 Radio Ground black - radio, white 24 pin plug, pin 24 Radio Illumination red/orange (parking lights); blue/orange (dimmer) Factory Amp Turn-on (M-CAN) Fower Antenna green + radio, white 18 pin plug, pin 8 Left Front Speaker (+/-) red - blue + radio, white 18 pin plug, pin 18 Left Front Speaker (+/-) Right Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 2 - 11 Right Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 3 - 12  amplifier under passenger seat, white 16 pin plug, pins 7 - 15  amplifier under pass seat, white 26 pin plug, pins 13 - 26; 12 - 25  Aux. Audio Input Left (+/-) green - black/orange or brown - black/orange + radio, white 24 pin plug, pins 8 - 9  RSE Video (+/-) RSE Video (+/-) RSE Audio Left (+/-) N/A  RSE Audio Right (+/-) N/A  Satellite Radio 12 Volts Satellite Radio Ground N/A  Satellite Radio Ground N/A  Satellite Radio Antenna N/A  Satellite Radio Antenna N/A  Satellite Audio Left (+/-) N/A	Memory Seat 1	blue	-	power window main switch, white 32 pin plug, pin 19
Radio 12V pink or red + radio, white 24 pin plug, pin 12 Radio Ground black - radio, white 24 pin plug, pin 24 Radio Ignition brown + radio, white 24 pin plug, pin 24 Radio Illumination red/orange (parking lights); blue/orange (dimmer) Factory Amp Turn-on (M-CAN) Power Antenna green + radio, white 18 pin plug, pin 8 Left Front Speaker (+/-) brown - white +, radio, white 18 pin plug, pins 2 - 11 Right Front Speaker (+/-) yellow - black +, radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange +, radio, white 18 pin plug, pins 1 - 10 Right Rear Speaker (+/-) green - orange +, radio, white 18 pin plug, pins 1 - 10 Right Rear Speaker (+/-) green - orange +, radio, white 18 pin plug, pins 1 - 10 Right Rear Speaker (+/-) green - orange (1); blue - red (2) Aux. Audio Input Left (+/-) green - black/orange or yellow - black/orange Aux. Audio Input Right (+/-) white - black/orange or yellow - black/orange RSE Video (+/-) red - black (rear view camera) +, radio, white 24 pin plug, pins 3 - 3 en yellow - black/orange RSE Audio Left (+/-) N/A RSE Audio Right (+/-) N/A Satellite Radio Ground N/A Satellite Radio Ground N/A Satellite Radio Ignition N/A Satellite Radio Ignition N/A Satellite Radio Antenna N/A Satellite Audio Left (+/-) N/A Satellite Audio Left (+/-) N/A	Memory Seat 2	red/black	-	power window main switch, white 32 pin plug, pin 18
Radio Ground black - radio, white 24 pin plug, pin 24 Radio Ignition brown + radio, white 24 pin plug, pin 11 Radio Illumination red/orange (parking lights); blue/orange (dimmer) Factory Amp Turn-on (M-CAN) Power Antenna green + radio, white 18 pin plug, pin 8 Left Front Speaker (+/-) brown - white +,- radio, white 18 pin plug, pin 18 Left Rear Speaker (+/-) red - blue +,- radio, white 18 pin plug, pins 2 - 11 Right Front Speaker (+/-) yellow - black +,- radio, white 18 pin plug, pins 3 - 12 Left Rear Speaker (+/-) green - orange +,- radio, white 18 pin plug, pins 1 - 10 Right Rear Speaker (+/-) green - orange +,- radio, white 18 pin plug, pins 4 - 13 Center Channel (+/-) green - orange (1); blue - red (2) Aux. Audio Input Left (+/-) green - black/orange or yellow - black/orange Aux. Audio Input Right (+/-) white - black/orange or brown - black/orange RSE Video (+/-) red - black (rear view camera) +,- radio, white 24 pin plug, pins 8 - 9 RSE Video (+/-) N/A RSE Audio Left (+/-) N/A Satellite Radio 12 Volts (built into radio) Satellite Radio Ground N/A Satellite Radio Ignition N/A Satellite Radio Antenna N/A Satellite Audio Left (+/-) N/A	Memory Seat 3	N/A		
Radio Ignition brown + radio, white 24 pin plug, pin 11  Radio Illumination red/orange (parking lights); blue/orange (dimmer) + radio, white 18 pin plug, pins 8, 17  Factory Amp Turn-on (M-CAN)  Power Antenna green + radio, white 18 pin plug, pin 18  Left Front Speaker (+/-) brown - white + radio, white 18 pin plug, pins 2 - 11  Right Front Speaker (+/-) red - blue + radio, white 18 pin plug, pins 2 - 11  Right Rear Speaker (+/-) yellow - black + radio, white 18 pin plug, pins 3 - 12  Left Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 1 - 10  Right Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 1 - 10  Right Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 1 - 10  Right Rear Speaker (+/-) green - orange + radio, white 18 pin plug, pins 1 - 10  Right Rear Speaker (+/-) white - black  1	Radio 12V	pink or red	+	radio, white 24 pin plug, pin 12
Radio Illumination red/orange (parking lights); blue/orange (dimmer)	Radio Ground	black	-	radio, white 24 pin plug, pin 24
Factory Amp Turn-on (M-CAN)  Power Antenna green + radio, white 18 pin plug, pin 18  Left Front Speaker (+/-) Left Rear Speaker (+/-) Left Rear Speaker (+/-) Right Rear Speaker (+/-)  Subwoofer (+/-)  Subwoofer (+/-)  Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  RSE Video (+/-)  RSE Video (+/-)  RSE Audio Left (+/-)  Satellite Radio Ignition  N/A  Satellite Radio Input Right (+/-)  Satellite Radio Antenna  N/A  Satellite Radio Left (+/-)  N/A  Satellite Radio Left (+/-)  Righer On or Amper American Green  (M-CAN)  (M-CAN)  (M-CAN)  (M-CAN)  (M-CAN)  (M-CAN)  (M-CAN)  (M-CAN)  + radio, white 18 pin plug, pins 2 - 11  radio, white 18 pin plug, pins 3 - 12  radio, white 18 pin plug, pins 1 - 10  radio, white 18 pin plug, pins 4 - 13  amplifier under passenger seat, white 16 pin plug, pins 7 - 15  amplifier under pass seat, white 26 pin plug, pins 13 - 26; 12 - 25  amplifier under pass seat, white 26 pin plug, pins 21 - 9  black/orange  +,- radio, white 24 pin plug, pins 21 - 9  black/orange  +,- radio, white 24 pin plug, pins 21 - 9  black/orange  +,- radio, white 24 pin plug, pins 3 - 26; 12 - 25	Radio Ignition	brown	+	radio, white 24 pin plug, pin 11
Power Antenna green + radio, white 18 pin plug, pin 18  Left Front Speaker (+/-) brown - white +,- radio, white 18 pin plug, pins 2 - 11  Right Front Speaker (+/-) red - blue +,- radio, white 18 pin plug, pins 3 - 12  Left Rear Speaker (+/-) yellow - black +,- radio, white 18 pin plug, pins 3 - 12  Left Rear Speaker (+/-) green - orange +,- radio, white 18 pin plug, pins 1 - 10  Right Rear Speaker (+/-) green - orange +,- radio, white 18 pin plug, pins 4 - 13  Center Channel (+/-) white - black +,- amplifier under passenger seat, white 16 pin plug, pins 7 - 15  Subwoofer (+/-) green - orange (1); blue - red (2) amplifier under pass seat, white 26 pin plug, pins 13 - 26; 12 - 25  Aux. Audio Input Left (+/-) green - black/orange or yellow black/orange or brown - black/orange or black orange or black/orange or black orange or black/orange or black orange ora	Radio Illumination		+,-	radio, white 18 pin plug, pins 8, 17
Left Front Speaker (+/-) Right Rear Speake	Factory Amp Turn-on	(M-CAN)		
Right Front Speaker (+/-)  Left Rear Speaker (+/-)  Left Rear Speaker (+/-)  Right Rear Speaker	Power Antenna	green	+	radio, white 18 pin plug, pin 18
Left Rear Speaker (+/-) Right Rear Speaker (+/	Left Front Speaker (+/-)	brown - white	+,-	radio, white 18 pin plug, pins 2 - 11
Right Rear Speaker (+/-)  Right Rear Speaker	Right Front Speaker (+/-)	red - blue	+,-	radio, white 18 pin plug, pins 3 - 12
Center Channel (+/-)  White - black  +,-  Subwoofer (+/-)  green - orange (1); blue - red (2)  Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  white - black/orange or yellow - black/orange or black/orange or black/orange  Aux. Audio Input Right (+/-)  white - black/orange or brown - black/orange  RSE Video (+/-)  RSE Audio Left (+/-)  RSE Audio Right (+/-)  N/A  Satellite Radio 12 Volts  Satellite Radio Input Right (+/-)  N/A  Satellite Radio Input Right (+/-)  N/A  Satellite Radio Antenna  N/A  Satellite Audio Left (+/-)  N/A  Satellite Radio Antenna  N/A  N/A  Satellite Audio Left (+/-)  N/A	Left Rear Speaker (+/-)	yellow - black	+,-	radio, white 18 pin plug, pins 1 - 10
Subwoofer (+/-)  green - orange (1); blue - red (2)  Aux. Audio Input Left (+/-)  green - black/orange or yellow - black/orange  Aux. Audio Input Right (+/-)  white - black/orange or brown - black/orange  RSE Video (+/-)  RSE Audio Left (+/-)  RSE Audio Right (+/-)  Satellite Radio Ground  Satellite Radio Antenna  N/A  Satellite Audio Left (+/-)  N/A	Right Rear Speaker (+/-)	green - orange	+,-	radio, white 18 pin plug, pins 4 - 13
Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 8 - 9  Fradio, white 24 pin plug, pins 21 - 9  Fradio, white 24 pin plug, pins 21 - 9  Fradio, white 24 pin plug, pins 21 - 9  Fradio, white 24 pin plug, pins 21 - 9  Fradio, white 24 pin plug, pins 21 - 9  Fradio, white 24 pin plug, pins 21 - 9  Fradio, white 24 pin plug, pins 21 - 9  Fradio, white 24 pin plug, pins 4- 9  Fradio, white 24 p	Center Channel (+/-)	white - black	+,-	amplifier under passenger seat, white 16 pin plug, pins 7 - 15
black/orange  Aux. Audio Input Right (+/-) white - black/orange or brown - black/orange  RSE Video (+/-) red - black (rear view camera) +,- radio, white 24 pin plug, pins 8 - 9  RSE Audio Left (+/-) N/A  RSE Audio Right (+/-) N/A  Satellite Radio 12 Volts (built into radio)  Satellite Radio Ignition N/A  Satellite Radio Antenna N/A  Satellite Audio Left (+/-) N/A  Satellite Audio Left (+/-) N/A	Subwoofer (+/-)		+,-	amplifier under pass seat, white 26 pin plug, pins 13 - 26; 12 - 25
Black/orange RSE Video (+/-) RSE Audio Left (+/-) RSE Audio Right (+/-) N/A RSE Audio 12 Volts Satellite Radio Ground N/A Satellite Radio Ignition Satellite Radio Antenna N/A Satellite Audio Left (+/-) N/A	Aux. Audio Input Left (+/-)		+,-	radio, white 24 pin plug, pins 21 - 9
RSE Audio Left (+/-)  RSE Audio Right (+/-)  N/A  Satellite Radio 12 Volts  (built into radio)  Satellite Radio Ground  N/A  Satellite Radio Ignition  N/A  Satellite Radio Antenna  N/A  Satellite Audio Left (+/-)  N/A	Aux. Audio Input Right (+/-)		+,-	radio, white 24 pin plug, pins 8 - 9
RSE Audio Right (+/-)  Satellite Radio 12 Volts  (built into radio)  Satellite Radio Ground  N/A  Satellite Radio Ignition  N/A  Satellite Radio Antenna  N/A  Satellite Audio Left (+/-)  N/A	RSE Video (+/-)	red - black (rear view camera)	+,-	radio, wh 16P plg, pins 4-3 or wh 18P plg, pins2-3
Satellite Radio 12 Volts (built into radio) Satellite Radio Ground N/A Satellite Radio Ignition N/A Satellite Radio Antenna N/A Satellite Audio Left (+/-) N/A	RSE Audio Left (+/-)	N/A		
Satellite Radio Ground N/A Satellite Radio Ignition N/A Satellite Radio Antenna N/A Satellite Audio Left (+/-) N/A	RSE Audio Right (+/-)	N/A		
Satellite Radio Ignition  N/A  Satellite Radio Antenna  N/A  Satellite Audio Left (+/-)  N/A	Satellite Radio 12 Volts	(built into radio)		
Satellite Radio Antenna N/A Satellite Audio Left (+/-) N/A	Satellite Radio Ground	N/A		
Satellite Audio Left (+/-) N/A	Satellite Radio Ignition	N/A		
	Satellite Radio Antenna	N/A		
Satellite Audio Right (+/-) N/A	Satellite Audio Left (+/-)	N/A		
	Satellite Audio Right (+/-)	N/A		

#### What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker			left front door
Left Front Tweeter			left front door
Right Front Speaker			right front door
Right Front Tweeter			right front door
Left Rear Speaker			left rear door
Left Rear Tweeter			left rear quarter panel (surround)
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear quarter panel (surround)
Center Channel			top center of dash
Subwoofer			left rear quarter panel
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

# Additional Wiring Notes

Item	Note
Power Unlock	To unlock the driver door, you can 5 wire the driver unlock motor or use white (-) at the relay box behind the glove box, white 24 pin plug, pin 21.
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are brown - white (woofer); black - white (tweeter) at the amplifier under passenger seat, white 12 pin plug, pins 6 - 12; 4 - 10.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are red - blue (woofer); orange - blue (tweeter) at the amplifier under passenger seat, white 12 pin plug, pins 5 - 11; 3 - 9.
	On models with amplifier, the speaker wires are yellow - black at the amplifier under passenger seat, white 12 pin plug, pins 2 - 8. The surround wires are yellow - black at the amplifier, white 16 pin plug, pins 2 - 10.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are green - orange at the amplifier under passenger seat, white 12 pin plug, pins 1 - 7. The surround wires are green - orange at the amplifier, white 16 pin plug, pins 1 - 9.
Trunk Hatch/Release	On models with power tail gate, the open/close is green/black (-) in the driver kick, white 48 pin plug, pin 45.