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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	White (50A)	+	Dash Fuse Box, white 1 pin plug (4C), pin 1
Ground	(chassis ground)		
Starter	Violet	+	Hybrid Vehicle Control ECU behind glove box, black 54 pin plug, pin 4
Ignition	Green	+	Dash Fuse Box, white 32 pin plug (4B), pin 13
Accessory	Pink	+	Dash Fuse Box, rear, white 56 pin plug (4E), pin 30
Telematics Interrupt	Lt. Green	Cut	Driver Kick, gray 63 pin plug (A17), pin 5
PTS 1	Blue	-	Power Start Stop Switch, black 12 pin plug, pin 6
PTS 2	Violet	-	Power Start Stop Switch, black 12 pin plug, pin 12
PTS 3	Pink	-	Power Start Stop Switch, black 12 pin plug, pin 11
SLP	Lt. Blue	-	Steering Lock Actuator on steering column, black 7 pin plug, pin 4
CAN Bus High	Black	Data	Body ECU on dash fuse box, black 30 pin plug, pin 5
CAN Bus Low	White	Data	Body ECU on dash fuse box, black 30 pin plug, pin 4
CAN Bus High 2	Red (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 6
CAN Bus Low 2	White (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 14
OBD 12 Volts	Lt. Green (7.5A)	+	OBD-Data Link Connector, white 16 pin plug, pin 16
OBD Ground	White/Black	-	OBD-Data Link Connector, white 16 pin plug, pin 4
OBD Connector	White		Under Driver Dash, Next To Hood Release
IMMO Data	Black (IMO)	Data	Hybrid Vehicle Control ECU behind glove box, black 54 pin plug, pin 23

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Item	Wire Color	Polarity	Wire Location
IMMO Data 2	Red (IMI)	Data	Hybrid Vehicle Control ECU behind glove box, black 54 pin plug, pin 10
Security Light	Pink	+	Instrument Cluster, black 38 pin plug, pin 7
RDA	Gray	Data	Certification ECU behind glove box, middle white 27 pin plug, pin 21
Power Lock	(use factory alarm arm)		
Power Unlock	(use factory alarm disarm)		
Power Lock2	Lt. Green (passenger switch) (if needed)	-	Dash Fuse Box, rear, white 32 pin plug (4F), pin 16
Power Unlock2	Brown (passenger switch) (if needed)	-	Dash Fuse Box, rear, white 56 pin plug (4E), pin 39
Lock Motor	Black	Reverse	Dash Fuse Box, white 36 pin plug (4A), pin 6
Driver Unlock Motor	Red	Reverse	Driver Kick, white 62 pin plug (OI1), pin 12
Passenger Unlock Motor	Red	Reverse	Dash Fuse Box, white 36 pin plug (4A), pin 9
Factory Alarm Arm	Green (key lock)	-	Body ECU on dash fuse box, black 21 pin plug, pin 18
Factory Alarm Disarm	Violet (key unlock)	Double -	Body ECU on dash fuse box, black 21 pin plug, pin 17
Parking Lights	Blue	+	Dash Fuse Box, white 36 pin plug (4A), pin 30
Parking Lights -	Green	-	Headlight Switch, white 40 pin plug, pin 3
Hazards	Pink	-	Hazard Switch, black 8 pin plug, pin 6
Turn Signal (Left)	Blue (LF); Violet (LR)	+	Dash Fuse Box, white 32 pin plug (4B), pin 8 (LF); Driver Kick, white 14 pin plug (OI3), pin 1 (LR)
Turn Signal (Right)	Violet (RF); Green (RR)	+	Dash Fuse Box, white 32 pin plug (4B), pin 6 (RF); Driver Kick, white 14 pin plug (OI3), pin 2 (RR)
Headlight	Red	-	Headlight Switch, white 40 pin plug, pin 4
AutoLights	Yellow	Cut	Headlight Switch, white 40 pin plug, pin 5
Reverse Light	Green	+	Dash Fuse Box, white 36 pin plug (4A), pin 10

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Item	Wire Color	Polarity	Wire Location
Reverse Light 2	Green (alternate location)	+	Radio, white 28 pin plug, pin 28
Left Front Door Trigger	Brown	-	Body ECU on dash fuse box, black 30 pin plug, pin 1
Right Front Door Trigger	Lt. Blue	-	Body ECU on dash fuse box, black 30 pin plug, pin 6
Left Rear Door Trigger	Brown	-	Dash Fuse Box, white 36 pin plug (4A), pin 24
Right Rear Door Trigger	Gray	-	Dash Fuse Box, rear, white 56 pin plug (4E), pin 31
Dome Light	Violet	-	Dash Fuse Box, rear, white 32 pin plug (4F), pin 29
Trunk/Hatch Pin	Lt. Blue	-	Dash Fuse Box, white 36 pin plug (4A), pin 34
Hood Pin	Red	-	Body ECU on dash fuse box, black 30 pin plug, pin 30
Trunk/Hatch Release	Lt. Green (rear handle switch)	-	Driver Running Board, harness to under driver seat
Trunk-Hatch Release2	Gray (alternate location)	-	Certification ECU behind glove box, middle white 27 pin plug, pin 26
Trunk Release Motor	Pink	Reverse	Dash Fuse Box, white 36 pin plug (4A), pin 20
Fuel Door Release	Lavender/Pink	-	Fuel Lid Opener Switch, white 6 pin plug, pin 5
Fuel Door Release 2	Pink (alternate location)	-	Driver Kick, blue 22 pin plug (A15), pin 21
Tachometer	(program engine checking off)		
Tachometer 2	Black (if needed)	AC	Camshaft Position Sensor, engine top driver side, black 3 pin plug, pin 1
Fuel Pump	Green	+	Behind Dash Fuse Box, blue 12 pin plug (AO2), pin 7
Rear Defroster	Yellow	- Latched	Passenger Kick, white 22 pin plug (A16), pin 15
Mirror Defroster	(same as rear defroster)		
Wiper Deicer	Pink	- Latched	Passenger Kick, white 22 pin plug (A16), pin 19
Left Front Heated Seat	Brown	Reverse	Left Seat Heater Switch, blue 6 pin plug, pin 4

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Item	Wire Color	Polarity	Wire Location
Right Front Heated Seat	Pink	Reverse	Right Seat Heater Switch, blue 6 pin plug, pin 4
Heated Steering Wheel	Black	+ Latched	Steering Heater Switch, white 6 pin plug, pin 2
Speed Sense	Brown	AC	Radio, white 28 pin plug, pin 27
Brake Wire	Lt. Blue	+	Brake Switch, black 7 pin plug, pin 3
Parking Brake	Red (electric parking brake)	-	Dash Fuse Box, white 32 pin plug (4B), pin 18
Horn Trigger	Blue	-	Dash Fuse Box, white 32 pin plug (4B), pin 27
Horn Trigger 2	Violet (alternate location)	-	Horn Switch-Clock Spring, black 14 pin plug, pin 7
Horn - Factory Alarm	Yellow	-	Dash Fuse Box, white 32 pin plug (4B), pin 26
Wipers	Green (LO); Red (HI)	-	Headlight Switch, white 40 pin plug, pin 26 (LO); pin 27 (HI)
Wipers Protection	Black (ground)	Cut	Headlight Switch, white 40 pin plug, pin 33
All Windows Up-Down	(use factory alarm arm/disarm)		
Radio 12V	Lavender/Lt. Blue	+	Radio, white 28 pin plug, pin 4
Radio Ground	White/Black	-	Radio, white 28 pin plug, pin 1
Radio Ignition	Black	+	Radio, white 28 pin plug, pin 15
Radio Illumination	Pink (parking lights); Blue (dimmer)	+,-	Radio, white 30 pin plug, pin 15 (parking lights); pin 16 (dimmer)
Left Front Speaker (+/-)	Lavender/Yellow - Lavender/Black	+,-	Radio, black 10 pin plug, pins 2 - 7
Right Front Speaker (+/-)	Lavender/Yellow - Lavender/Black --or- Lavender/Green - Lavender/Blue	+,-	Radio, black 10 pin plug, pins 1 - 6
Left Rear Speaker (+/-)	Violet - Pink	+,-	Radio, black 10 pin plug, pins 3 - 8
Right Rear Speaker (+/-)	Violet - Pink	+,-	Radio, black 10 pin plug, pins 4 - 9
Aux. Audio Input Left (+/-)	Black - Red	+,-	Radio, white 28 pin plug, pins 11 - 13
Aux. Audio Input Right (+/-)	White - Red	+,-	Radio, white 28 pin plug, pins 12 - 13
Rearview Camera Video	Red - White	+,-	Radio, white 30 pin plug, pins 28 - 29



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What Fits

Item	Size	Depth	Location
Headunit	Irregular		Center of Dash
Left Front Speaker	6.3		Left Front Door
Left Front Tweeter	1.0		Left Front Dash
Right Front Speaker	6.3		Right Front Door
Right Front Tweeter	1.0		Right Front Dash
Left Rear Speaker	6.3		Left Rear Door
Right Rear Speaker	6.3		Right Rear Door