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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	White (60A)	+	ICU Junction Block-Dash Fuse box, black 16 pin plug (B), pin 5
Second 12 Volts	Yellow (50A)	+	Passenger Kick, blue 31 pin plug (EF21), pin 25
Ground	(chassis ground)		
Starter Kill	Orange	+	ICU Junction Block-Dash Fuse box, white 46 pin plug (C), pin 2
Starter	Black	+	Passenger Kick, white 44 pin plug (EM21), pin 36
Ignition	Blue	+	Passenger Kick, white 44 pin plug (EM21), pin 38
Accessory	Orange	+	Passenger Kick, white 44 pin plug (EM21), pin 37
Second Accessory	Blue	+	ICU Junction Block-Dash Fuse box, black 16 pin plug (B), pin 4
Ignition Interrupt	Pink	Cut	ICU Junction Block-Dash Fuse box, rear, white 46 pin plug (F), pin 41
PTS 1	Blue	-	Start Stop Button Switch, white 10 pin plug, pin 1
PTS 2	White	-	Start Stop Button Switch, white 10 pin plug, pin 7
CAN Bus High	Pink (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Gray/Orange (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Green (B-CAN)	Data	ICU Junction Block-Dash Fuse box, rear, black 32 pin plug (H), pin 27
CAN Bus Low 2	Orange (B-CAN)	Data	ICU Junction Block-Dash Fuse box, rear, black 32 pin plug (H), pin 28
CAN Bus High 3	Green (B-CAN)	Data	Joint Connector in passenger kick, brown 30 pin plug (JF04), pin 4
CAN Bus Low 3	Orange (B-CAN)	Data	Joint Connector in passenger kick, brown 30 pin plug (JF04), pin 19
CAN Bus High 4	Yellow (M-CAN)	Data	ICU Junction Block-Dash Fuse box, rear, black 32 pin plug (H), pin 31

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Item	Wire Color	Polarity	Wire Location
CAN Bus Low 4	Black (M-CAN)	Data	ICU Junction Block-Dash Fuse box, rear, black 32 pin plug (H), pin 32
OBD 12 Volts	Pink (10A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Black	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Gray	+	OBD-Data Link Connector, black 16 pin plug, pin 3
OBD Connector	Black		Under Driver Dash, Behind Fuse/OBD Cover
IMMO Data	Brown	Data	Passenger Kick, white 44 pin plug (EM21), pin 26
Power Lock	Green (passenger switch)	-	ICU Junction Block-Dash Fuse box, red 58 pin plug (A), pin 36
Power Unlock	Pink (passenger switch)	-	ICU Junction Block-Dash Fuse box, red 58 pin plug (A), pin 42
Lock Motor	Yellow	Reverse	ICU Junction Block-Dash Fuse box, red 58 pin plug (A), pin 20
Driver Unlock Motor	White	Reverse	ICU Junction Block-Dash Fuse box, red 58 pin plug (A), pin 11
Passenger Unlock Motor	White	Reverse	ICU Junction Block-Dash Fuse box, red 58 pin plug (A), pin 40
Factory Alarm Arm	(arms with lock)		
Factory Alarm Disarm	(proximity key and push button)		
Lock Detection	Brown	Open	ICU Junction Block-Dash Fuse box, white 24 pin plug (E), pin 23
Unlock Detection	(same as lock detection)	-	
Parking Lights	Green (LF); Red (RF)	+	ICU Junction Block-Dash Fuse box, black 16 pin plug (B), pin 9 (LF); white 46 pin plug (C), pin 45 (RF)
Parking Lights 2	Green/Black (LR); Brown/Black (RR)	+	ICU Junction Block-Dash Fuse box, black 32 pin plug (D), pin 32 (LR); white 24 pin plug (E), pin 14 (RR)
Parking Lights -	(B-CAN and C-CAN)		



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Hazards	Red	-	ICU Junction Block-Dash Fuse box, rear, white 24 pin plug (G), pin 17
Hazards 2	Red (alternate location)	-	Hazard Switch, white 6 pin plug, pin 3
Turn Signal (Left)	Red/Orange (LF); Blue (LR)	+	ICU Junction Block-Dash Fuse box, white 46 pin plug (C), pin 44 (LF); black 32 pin plug (D), pin 16 (LR)
Turn Signal (Right)	Red/Orange (RF); Green (RR)	+	ICU Junction Block-Dash Fuse box, white 46 pin plug (C), pin 11 (RF); white 24 pin plug (E), pin 13 (RR)
Headlight	Yellow	-	Headlight-Wiper Switch, white 16 pin plug, pin 2
AutoLights	(B-CAN and C-CAN)		
Reverse Light	Brown	+	ICU Junction Block-Dash Fuse box, red 58 pin plug (A), pin 53
Left Front Door Trigger	Green	-	ICU Junction Block-Dash Fuse box, white 24 pin plug (E), pin 8
Right Front Door Trigger	Gray	-	ICU Junction Block-Dash Fuse box, white 24 pin plug (E), pin 9
Left Rear Door Trigger	Pink	-	ICU Junction Block-Dash Fuse box, white 24 pin plug (E), pin 7
Right Rear Door Trigger	Orange	-	ICU Junction Block-Dash Fuse box, white 24 pin plug (E), pin 10
Dome Light	Pink	-	ICU Junction Block-Dash Fuse box, rear, white 24 pin plug (G), pin 5
Trunk/Hatch Pin	Green	-	ICU Junction Block-Dash Fuse box, white 24 pin plug (E), pin 12
Hood Pin	Green	-	ICU Junction Block-Dash Fuse box, white 46 pin plug (C), pin 36
Power Liftgate	White	-	Power Liftgate Switch, white 16 pin plug, pin 9
Power Liftgate 2	White (alternate location)	-	Driver Kick, white 74 pin plug (MF11), pin 72
Trunk/Hatch Release	Pink (rear handle switch)	-	ICU Junction Block-Dash Fuse box, white 24 pin plug (E), pin 24



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Item	Wire Color	Polarity	Wire Location
Trunk Release Motor	Red (w/o power liftgate)	+	ICU Junction Block-Dash Fuse box, red 58 pin plug (A), pin 52
Fuel Door Release	Red/Black (charging door)	-	Charging Door Open Switch, white 16 pin plug, pin 6
Rear Defroster	Black	- Latched	ICU Junction Block-Dash Fuse box, white 46 pin plug (C), pin 10
Mirror Defroster	(same as rear defroster, w/o memory); (LIN, with memory)		
Left Front Heated Seat	Lt. Green/Black (w/o ventilation)	-	Console Floor Switch, white 24 pin plug, pin 9
Right Front Heated Seat	Red/White (w/o ventilation)	-	Console Floor Switch, white 24 pin plug, pin 17
Left Front Heated Seat 2	(LIN, with ventilation)		
Right Front Heated Seat 2	(LIN, with ventilation)		
Heated Steering Wheel	Brown	-	Console Floor Switch, white 24 pin plug, pin 8 or white 16 pin plug, pin 6
Speed Sense	Yellow	AC	Radio below AV-A/C Controls, white 38 pin plug, pin 38
Brake Wire	Green	+	Brake Switch, black 6 pin plug, pin 5
Brake Wire 2	Green (alternate location)	+	Driver Kick, white 55 pin plug (EM11), pin 47
Parking Brake	(electric parking brake)		
Horn Trigger	White	-	Driver Kick, white 55 pin plug (EM11), pin 36
Horn Trigger 2	White (alternate location)	-	Horn Switch-Clock Spring, white 14 pin plug, pin 12
Horn - Factory Alarm	White	-	ICU Junction Block-Dash Fuse box, rear, black 32 pin plug (H), pin 7
Wipers	Red	+	Passenger Kick, white 44 pin plug (EM21), pin 15
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	(motor is part of module)		
Left Rear Window (Up/Down)	Blue/Black - Blue	A	Left Rear Power Window Switch, white 12 pin plug, pins 5 - 3

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Item	Wire Color	Polarity	Wire Location
Right Rear Window (Up/Down)	Blue/Black - Blue	A	Right Rear Power Window Switch, white 12 pin plug, pins 5 - 3
Sun Roof (Open/Close)	Pink and Blue (open) (functions with ignition on only)	Both -	Sunroof Switch, white 6 pin plug, pins 4, 5
Sun Roof (Limit/Close)	Blue and Orange (close) (functions with ignition on only)	Both -	Sunroof Switch, white 6 pin plug, pins 5, 6
Memory Seat 1	Pink to Orange	- 1500 Ohms	Memory Switch, white 6 pin plug, pin 3 --or-- Driver Power Window Switch, white 16 pin plug, pin 9
Memory Seat 2	(same as memory seat 1)	- 1800 Ohms	
Radio 12V	Red	+	Radio below AV-A/C Controls, gray 35 pin plug, pins 10, 11
Radio Ground	Black/Orange	-	Radio below AV-A/C Controls, gray 35 pin plug, pins 12, 13
Radio Ignition	Blue	+	Radio below AV-A/C Controls, gray 35 pin plug, pin 22
Radio Illumination	Blue (parking lights); Gray (dimmer)	+,-	Radio below AV-A/C Controls, gray 35 pin plug, pin 6 (parking lights); pin 19 (dimmer)
Factory Amp Turn-on	(M-CAN) (audio is SPDIF)		
Left Front Speaker (+/-)	White - Black	+,-	Radio below AV-A/C Controls, white 38 pin plug, pins 13 - 14
Right Front Speaker (+/-)	Red - Green	+,-	Radio below AV-A/C Controls, white 38 pin plug, pins 16 - 15
Left Rear Speaker (+/-)	Yellow - Brown	+,-	Radio below AV-A/C Controls, white 38 pin plug, pins 1 - 2
Right Rear Speaker (+/-)	Orange - Gray	+,-	Radio below AV-A/C Controls, white 38 pin plug, pins 28 - 27
Left Front Speaker - With Amp	White - Brown (woofer/tweeter)	+,-	Amplifier under rear seat driver side, blue 28 pin plug, pins 12 - 13
Right Front Speaker - With Amp	Red - Green (woofer/tweeter)	+,-	Amplifier under rear seat driver side, blue 28 pin plug, pins 14 - 15
Left Front Tweeter - With Amp	Green - Orange (midrange)	+,-	Amplifier under rear seat driver side, red 28 pin plug, pins 25 - 26

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Item	Wire Color	Polarity	Wire Location
Right Front Tweeter - With Amp	White - Brown (midrange)	+,-	Amplifier under rear seat driver side, red 28 pin plug, pins 27 - 28
Left Rear Speaker - With Amp	Yellow - Brown	+,-	Amplifier under rear seat driver side, red 28 pin plug, pins 1 - 2
Right Rear Speaker - With Amp	Orange - Gray	+,-	Amplifier under rear seat driver side, red 28 pin plug, pins 3 - 4
Left Rear Surround - With Amp	Blue - Yellow	+,-	Amplifier under rear seat driver side, red 28 pin plug, pins 12 - 13
Right Rear Surround - With Amp	Pink - Red	+,-	Amplifier under rear seat driver side, red 28 pin plug, pins 14 - 15
Center Channel - With Amp	Yellow - Black	+,-	Amplifier under rear seat driver side, blue 28 pin plug, pins 25 - 26
Subwoofer - With Amp	Brown - White (coil 1); Pink - Red (coil 2)	+,-	Amplifier under rear seat driver side, red 28 pin plug, pins 16 - 17 (coil 1); pins 18 - 19 (coil 2)
Rearview Camera Video	Red - Black (w/o surround view); (COAX, with surround view)	+,-	Radio below AV-A/C Controls, white 38 pin plug, pins 7 - 21



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What Fits

Item	Size	Depth	Location
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Additional Wiring Notes

Item	Note
Accessory	Can also use white (+) at the ICU Junction Block-Dash Fuse box, black 16 pin plug (B), pin 7.
CAN Bus High 2	Also found Green (B-CAN) in the driver kick, white 74 pin plug (MF11), pin 69.
CAN Bus High 4	Also found Yellow (M-CAN) in the driver kick, white 55 pin plug (EM11), pin 29.
CAN Bus Low 2	Also found Orange (B-CAN) in the driver kick, white 74 pin plug (MF11), pin 70.
CAN Bus Low 4	Also found Black (M-CAN) in the driver kick, white 55 pin plug (EM11), pin 30.
Ignition	Can also use black (+) at the ICU Junction Block-Dash Fuse box, white 46 pin plug (C), pin 31.