



<http://www.directechs.com>

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Green (40A)	+	Ignition Switch, black 6 pin plug, pin 1
Second 12 Volts	Red (40A)	+	Ignition Switch, black 6 pin plug, pin 5
Ground	(chassis ground)		
Starter	White	+	Ignition Switch, black 6 pin plug, pin 3
Ignition	Pink	+	Ignition Switch, black 6 pin plug, pin 4
Accessory	Black	+	Ignition Switch, black 6 pin plug, pin 2
Second Accessory	Blue	+	Ignition Switch, black 6 pin plug, pin 6
Ignition Interrupt	Pink	Cut	IGPM-Dash Fuse Box, rear, white 24 pin plug (F), pin 17
Accessory Interrupt	Orange	Cut	IGPM-Dash Fuse Box, rear, white 38 pin plug (E), pin 32
Keysense	White	-	Key Switch, white 6 pin plug, pin 4
CAN Bus High	White (P-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 2
CAN Bus Low	Brown (P-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 1
CAN Bus High 2	White (B-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 6
CAN Bus Low 2	Black (B-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 5
CAN Bus High 3	White (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low 3	Yellow (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
OBD 12 Volts	Red/Black (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
OBD Connector	Black		Under Driver Dash, Behind Fuse Panel Cover



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
IMMO Data	Brown/Orange (EMS COM)	Data	Driver Kick, red 68 pin plug (EM11), pin 29
K Line	Blue/Black	Data	OBD-Data Link Connector, black 16 pin plug, pin 12
Security Light	White/Orange	-	Instrument Cluster, white 40 pin plug, pin 11
Power Lock	Gray	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 13
Power Unlock	Green	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 14
Power Unlock - Driver Door	Yellow	-	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 15
Lock Motor	Gray	Reverse	IGPM-Dash Fuse Box, white 38 pin plug (C), pin 9
Driver Unlock Motor	White	Reverse	Driver Kick, gray 58 pin plug (MF11), pin 30
Passenger Unlock Motor	White	Reverse	IGPM-Dash Fuse Box, white 38 pin plug (C), pin 30
Factory Alarm Arm	Pink/Black (see Tech Doc 1300)	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 22
Factory Alarm Disarm	Orange (see Tech Doc 1300)	Double -	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 21
Lock Detection	Brown (see Tech Doc 1300)	Open	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 30
Unlock Detection	(same as lock detection)	-	
Parking Lights	Red/Black (LF); Brown (RF)	+	IGPM-Dash Fuse Box, gray 51 pin plug (A), pin 2 (LF); pin 1 (RF)
Parking Lights 2	Green/Black (LR); Brown/Black (RR)	+	IGPM-Dash Fuse Box, white 38 pin plug (C), pin 17 (LR); pin 7 (RR)
Parking Lights -	Blue	- 1680 Ohms	Headlight-Wiper Switch, black 16 pin plug, pin 14
Parking Lights MUX	Blue	MUX	Headlight-Wiper Switch, black 16 pin plug, pin 14
Hazards	Green	-	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 10



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	Blue/Orange (LF); Blue/Black (LR)	+	IGPM-Dash Fuse Box, gray 51 pin plug (A), pin 24 (LF); white 38 pin plug (C), pin 15 (LR)
Turn Signal (Right)	Red/Black (RF); Red/Orange (RR)	+	IGPM-Dash Fuse Box, gray 51 pin plug (A), pin 6 (RF); white 38 pin plug (C), pin 8 (RR)
Headlight	Gray	-	Headlight-Wiper Switch, black 16 pin plug, pin 15
AutoLights	Blue	- 680 Ohms (Off)	Headlight-Wiper Switch, black 16 pin plug, pin 14
Reverse Light	Brown	+	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 18
Left Front Door Trigger	Blue	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 31
Right Front Door Trigger	Gray/Orange	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 29
Left Rear Door Trigger	Blue/Black	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 2
Right Rear Door Trigger	Gray/Black	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 19
Dome Light	Yellow	-	Left Front Pillar, white 44 pin plug (MR11), pin 29
Trunk/Hatch Pin	Green/Orange	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 32
Hood Pin	Gray	-	IGPM-Dash Fuse Box, gray 51 pin plug (A), pin 20
Trunk/Hatch Release	Pink (rear handle switch)	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 16
Trunk Release Motor	Red	+	IGPM-Dash Fuse Box, white 38 pin plug (C), pin 21
Tachometer	Green (1.6L); Black (2.0L)	AC	Camshaft Position Sensor, engine driver side, black 3 pin plug, pin 2 (1.6L); gray 3 pin plug, pin 2 (2.0L)
Fuel Pump	Blue	+	Driver Kick, black 26 pin plug (EF11), pin 1



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Rear Defroster	Black/Orange	- Latched	IGPM-Dash Fuse Box, gray 51 pin plug (A), pin 35
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	White/Red	-	Driver Console Switch, white 24 pin plug, pin 3
Right Front Heated Seat	Blue	-	Passenger Console Switch, white 28 pin plug, pin 3
Heated Steering Wheel	White/Black	-	Driver Console Switch, white 24 pin plug, pin 16
Speed Sense	White/Black	AC	Radio, white 38 pin plug, pin 38
Brake Wire	Green	+	Driver Kick, red 68 pin plug (EM11), pin 47
Brake Wire 2	Green (alternate location)	+	Brake Switch, black 6 pin plug, pin 5
Parking Brake	Green	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 9
Horn Trigger	White	-	Driver Kick, red 68 pin plug (EM11), pin 48
Horn Trigger 2	White (alternate location)	-	Horn Switch-Clock Spring, white 14 pin plug, pin 8
Horn - Factory Alarm	Yellow/Orange	-	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 16
Wipers	Red	+	Passenger Kick, white 68 pin plug (EM61), pin 25
Left Front Window (Up/Down)	Yellow - Orange (auto down); (auto up-down, motor is part of module)	A	Power Window Main Switch, white 18 pin plug, pins 7 - 9
Right Front Window (Up/Down)	Brown - Orange (w/o auto); (with auto, motor is part of module)	A	Driver Kick, door harness
Left Rear Window (Up/Down)	Blue - Orange	A	Driver Kick, door harness
Right Rear Window (Up/Down)	Green - Pink	A	Driver Kick, door harness
Sun Roof (Open/Close)	Orange/Black and Pink (open) (functions with ignition on only)	Both -	Overhead Console, white 8 pin plug, pins 5, 6
Sun Roof (Limit/Close)	Pink and Yellow (close) (functions with ignition on only)	Both -	Overhead Console, white 8 pin plug, pins 6, 7
Radio 12V	Red and Orange	+	Radio, gray 35 pin plug, pins 10, 11
Radio Ground	Black	-	Radio, gray 35 pin plug, pins 12, 13



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Radio Ignition	Blue	+	Radio, gray 35 pin plug, pin 22
Radio Illumination	Blue (parking lights); Gray (dimmer)	+,-	Radio, gray 35 pin plug, pin 6 (parking lights); pin 19 (dimmer)
Factory Amp Turn-on	(M-CAN); (audio is S/PDIF)		
Power Antenna	Red	+	Radio, gray 35 pin plug, pin 5
Left Front Speaker (+/-)	Green - Orange	+,-	Radio, white 38 pin plug, pins 13 - 14
Right Front Speaker (+/-)	Green - Orange	+,-	Radio, white 38 pin plug, pins 16 - 15
Left Rear Speaker (+/-)	Yellow - Black	+,-	Radio, white 38 pin plug, pins 1 - 2
Right Rear Speaker (+/-)	Brown - White	+,-	Radio, white 38 pin plug, pins 28 - 27
Left Front Speaker - With Amp	Yellow - Black	+,-	Amplifier under passenger seat, black 28 pin plug, pins 4 - 19
Right Front Speaker - With Amp	Brown - White	+,-	Amplifier under passenger seat, black 28 pin plug, pins 3 - 18
Left Rear Speaker - With Amp	Green - Orange	+,-	Amplifier under passenger seat, black 28 pin plug, pins 13 - 26
Right Rear Speaker - With Amp	Red - Blue	+,-	Amplifier under passenger seat, black 28 pin plug, pins 12 - 25
Center Channel - With Amp	Red - Blue	+,-	Amplifier under passenger seat, black 28 pin plug, pins 14 - 27
Subwoofer - With Amp	Brown - White (coil 1); Red - Blue (coil 2)	+,-	Amplifier under passenger seat, black 28 pin plug, pins 2 - 17 (coil 1); pins 1 - 16 (coil 2)
Aux. Audio Input Left (+/-)	Red - Black/Orange	+,-	Radio, white 38 pin plug, pins 24 - 25
Aux. Audio Input Right (+/-)	Black - Black/Orange	+,-	Radio, white 38 pin plug, pins 10 - 25
Rearview Camera Video	Red - Black	+,-	Radio, white 38 pin plug, pins 7 - 21



<http://www.directechs.com>

What Fits

Item	Size	Depth	Location
------	------	-------	----------



<http://www.directechs.com>

Additional Wiring Notes

Item	Note
Accessory Interrupt	Only required to retain OEM remote functionality during remote start runtime.
Ignition Interrupt	Only required to retain OEM remote functionality during remote start runtime.