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## *Wiring Information*

| Item | Wire Color | Polarity | Wire Location |
|------|-----------|----------|---------------|
| 12 Volts | Yellow/Red (60A) | + | Driver Kick, 70 pin plug, pin 32 |
| Second 12 Volts | Gray/Red (7.5A) | + | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 24 |
| Ground | (chassis ground) | | |
| Ground 2 | Black | - | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 14 |
| Starter Kill | Brown/Green | + | Underhood Fuse Box |
| Starter | Blue/White | + | Driver Kick, 70 pin plug, pin 21 |
| Ignition Sense | Yellow/Blue | + | Driver Kick, 70 pin plug, pin 28 |
| PTS 1 | Blue/White | + | Push Button Start Switch, black 6 pin plug, pin 1 |
| PTS 2 | Yellow/Orange | - | Push Button Start Switch, black 6 pin plug, pin 6 |
| CAN Bus High | White/Blue (HS1 CAN) | Data | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 20 |
| CAN Bus Low | White (HS1 CAN) | Data | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 19 |
| CAN Bus High 2 | Gray/Orange (MS CAN) | Data | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 23 |
| CAN Bus Low 2 | Violet/Orange (MS CAN) | Data | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 22 |
| CAN Bus High 3 | Green/Orange (HS2 CAN) | Data | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 18 |
| CAN Bus Low 3 | Gray/Blue (HS2 CAN) | Data | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 17 |
| OBD 12 Volts | Yellow/Red (20A) | + | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 13 |

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| Item | Wire Color | Polarity | Wire Location |
|------|-----------|----------|---------------|
| OBD Ground | Black/White | - | Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 1 |
| OBD Connector | Black | | Under Driver Dash, Near Hood Release |
| IMMO Antenna | (PATS antenna is in center console under armrest) | | |
| Power Lock | Gray/Yellow | - | BCM behind glove box, white 72 pin plug (F), pin 25 --or-- Driver Kick, door harness |
| Power Unlock | Blue/Orange | - | BCM behind glove box, white 72 pin plug (F), pin 20 --or-- Driver Kick, door harness |
| Lock Motor | Gray/Brown | Reverse | BCM behind glove box, white 72 pin plug (F), pin 1 --or-- Driver Kick, door harness |
| Driver Unlock Motor | Blue/Green | Reverse | BCM behind glove box, white 72 pin plug (F), pin 63 --or-- Driver Kick, door harness |
| Passenger Unlock Motor | Brown/Green | Reverse | BCM behind glove box, white 72 pin plug (F), pin 11 --or-- Driver Running Board, harness going under driver seat |
| Factory Alarm Arm | (arms on lock with door open) | | |
| Factory Alarm Disarm | (transponder and ignition) | | |
| Parking Lights | Green/Orange (LF); Brown/Yellow (RF) | + | BCM behind glove box, black 50 pin plug (E), pin 14 (LF); pin 28 (RF) |
| Parking Lights 2 | Violet/Green (LR); White/Orange (RR) | + | BCM behind glove box, white 72 pin plug (F), pin 53 (LR); pin 48 (RR) |
| Parking Lights - | Gray | - | Headlight Switch, black 16 pin plug, pin 11 |
| Parking Lights Interrupt | Black/Gray | Cut | Headlight Switch, black 16 pin plug, pin 4 |
| Hazards | Brown/Yellow | - | Hazard Switch, black 3 pin plug, pin 3 |
| Hazards 2 | Brown/Yellow (alternate location) | | BCM behind glove box, white 72 pin plug (D), pin 12 |
| Turn Signal (Left) | Blue/Green (LF); Gray/Orange (LR) | + | BCM behind glove box, black 50 pin plug (E), pin 3 (LF); white 72 pin plug (F), pin 6 (LR) |

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| Item | Wire Color | Polarity | Wire Location |
|------|-----------|----------|---------------|
| Turn Signal (Right) | Yellow/Violet (RF); Green/Orange (RR) | + | BCM behind glove box, black 50 pin plug (E), pin 2 (RF); white 72 pin plug (F), pin 65 (RR) |
| Headlight | Yellow/Blue | - | Headlight Switch, black 16 pin plug, pin 12 |
| AutoLights | Violet/Green | Cut | Headlight Switch, black 16 pin plug, pin 13 |
| Reverse Light | Green/Brown | + | BCM behind glove box, white 72 pin plug (F), pin 66 |
| Left Front Door Trigger | Green/Violet | - N.C. | BCM behind glove box, white 72 pin plug (F), pin 29 --or-- Driver Kick, door harness |
| Right Front Door Trigger | White | - N.C. | BCM behind glove box, white 72 pin plug (F), pin 32 |
| Left Rear Door Trigger | Green | - N.C. | BCM behind glove box, white 72 pin plug (F), pin 33 |
| Right Rear Door Trigger | Yellow | - N.C. | BCM behind glove box, white 72 pin plug (F), pin 34 |
| Dome Light | Gray/Violet | + | BCM behind glove box, white 72 pin plug (F), pin 17 |
| Trunk/Hatch Pin | Yellow/Orange | - N.C. | BCM behind glove box, white 72 pin plug (F), pin 16 |
| Hood Pin | Blue/Orange | - N.C. | BCM behind glove box, black 50 pin plug (E), pin 26 |
| Trunk/Hatch Release | Gray/Yellow (rear handle switch) | - | BCM behind glove box, white 72 pin plug (F), pin 31 --or-- Driver Running Board, harness going under driver seat |
| Trunk Release Motor | Green/White | Reverse | BCM behind glove box, white 72 pin plug (F), pin 10 --or-- Driver Running Board, harness going under driver seat |
| Fuel Door Release | (locks/unlocks with driver door) | | |
| Tachometer | Yellow/Violet (1.0L) | AC | Camshaft Position Sensor, engine passenger side, black 3 pin plug, pin 2 |

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| Item | Wire Color | Polarity | Wire Location |
|------|-----------|----------|---------------|
| Tachometer 2 | Brown/Blue or Green/Violet (2.0L) | AC | Camshaft Position Sensor, engine driver side, gray 3 pin plug, pin 3 |
| Fuel Pump | Violet/Green | + | Driver Firewall, 70 pin plug, pin 40 |
| Rear Defroster | Blue/Gray | - Latched | Driver Kick, 70 pin plug, pin 4 |
| Mirror Defroster | (same as rear defroster) | | |
| Wiper Deicer | White/Brown | - Latched | Driver Kick, 70 pin plug, pin 53 |
| Left Front Heated Seat | Yellow/Blue | Reverse | HVAC Module, black 30 pin plug, pin 16 |
| Right Front Heated Seat | Gray/Blue | Reverse | HVAC Module, black 30 pin plug, pin 17 |
| Heated Steering Wheel | (MS CAN) | | |
| Speed Sense | Yellow/Orange | AC | PCM on engine driver side, black 95 pin plug, pin 12 |
| Speed Sense 2 | Violet/Orange (with moonroof) | AC | BCM behind glove box, white 72 pin plug (F), pin 60 |
| Brake Wire | Violet/White | + | Brake Switch, white 4 pin plug, pin 4 |
| Brake Wire 2 | Violet/White (alternate location) | + | BCM behind glove box, white 72 pin plug (D), pin 8 |
| Parking Brake | White/Violet | - | BCM behind glove box, white 72 pin plug (F), pin 30 --or-- Parking Brake Switch |
| Horn Trigger | Green/White | - | Steering Column Module, gray 18 pin plug, pin 9 |
| Horn Trigger 2 | Violet/Green (alternate location) | - | BCM behind glove box, black 50 pin plug (E), pin 18 |
| Wipers | (LIN) | | |
| Left Front Window (Up/Down) | Blue - Green | A | Driver Door Window Switch, gray 4 pin plug, pins 1 - 3 |
| Right Front Window (Up/Down) | White/Orange - Violet | A | Passenger Door Window Switch, green 8 pin plug, pins 4 - 8 |
| Left Rear Window (Up/Down) | Green/Violet - Brown | A | Left Rear Door Window Switch, green 8 pin plug, pins 8 - 4 |

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| Item | Wire Color | Polarity | Wire Location |
|---|---|---|---|
| Right Rear Window (Up/Down) | White/Violet - Gray | A | Right Rear Door Window Switch, green 8 pin plug, pins 8 - 4 |
| Sun Roof (Open/Close) | Violet/Brown - Yellow/Orange (function with ignition on only) | - | Roof Opening Panel Switch, black 4 pin plug, pins 3 - 2 |
| Radio 12V | White/Red | + | Radio, 32 pin plug (A), pin 1 |
| Radio Ground | Black/White | - | Radio, 32 pin plug (A), pin 4 |
| Radio Ignition | Yellow/Orange (delayed accessory) | + | BCM behind glove box, gray 3 pin plug (C), pin 3 - -or-- Driver Kick, door harness |
| Factory Amp Turn-on | Yellow/Violet | + | Radio, 32 pin plug (B), pin 23 |
| Left Front Speaker (+/-) | White - White/Brown | +,- | Radio, 32 pin plug (A), pins 8 - 7 |
| Right Front Speaker (+/-) | White/Violet - White/Orange | +,- | Radio, 32 pin plug (A), pins 3 - 2 |
| Left Rear Speaker (+/-) | White/Red - Brown/Yellow | +,- | Radio, 32 pin plug (A), pins 6 - 5 |
| Right Rear Speaker (+/-) | Brown/White - Brown/Blue | +,- | Radio, 32 pin plug (A), pins 10 - 9 |
| Center Channel (+/-) | Green - Gray/Yellow | +,- | Radio, 32 pin plug (A), pins 13 - 24 |
| Left Front Speaker - With Amp | White - White/Brown | +,- | Amplifier under rear passenger seat, black 20 pin plug, pins 17 - 7 |
| Right Front Speaker - With Amp | White/Violet - White/Orange | +,- | Amplifier under rear passenger seat, black 20 pin plug, pins 16 - 6 |
| Left Front Tweeter - With Amp | (powered by radio) | | |
| Right Front Tweeter - With Amp | (powered by radio) | | |
| Left Rear Speaker - With Amp | White/Red - Brown/Yellow | +,- | Amplifier under rear passenger seat, black 20 pin plug, pins 20 - 10 |
| Right Rear Speaker - With Amp | Green/White - Gray/Blue | +,- | Amplifier under rear passenger seat, black 20 pin plug, pins 18 - 8 |
| Center Channel - With Amp | (powered by radio) | | |
| Subwoofer - With Amp | Violet - Yellow (coil 1); White/Brown - Violet/Orange (coil 2) | +,- | Amplifier under rear passenger seat, black 20 pin plug, pins 15 - 5 (coil 1); pins 19 - 9 (coil 2) |

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| Item | Wire Color | Polarity | Wire Location |
|------|-----------|----------|---------------|
| Aux. Audio Input Left (+/-) | Blue - Gray/Orange (SYNC audio); Blue/Gray - Violet/Brown (CD audio) | +,- | Radio, 32 pin plug (B), pins 20 - 31 (SYNC); Radio, 32 pin plug (A), pins 16 - 27 (CD) |
| Aux. Audio Input Right (+/-) | Violet/Green - Brown/White (SYNC audio); Green/White - White/Brown (CD audio) | +,- | Radio, 32 pin plug (B), pins 21 - 32 (SYNC); Radio, 32 pin plug (A), pins 17 - 28 (CD) |
| Rearview Camera Video | White/Green - Brown/Violet | +,- | Passenger Kick, 59 pin plug, pins 54 - 55 |

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## *What Fits*

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

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## *Additional Wiring Notes*

| Item | Note |
|------|------|
| 12 Volts | Can also use violet/red (+) (30A) at the BCM behind glove box, black 3 pin plug (B), pin 1. |
| Ignition Sense | Can also use violet/green (+) (for ignition sense only) at the BCM behind glove box, black 3 pin plug (B), pin 3. |
| Parking Lights - | See Tech Doc 1096 |
| PTS 1 | Also found blue/white (+) at the BCM behind glove box, white 72 pin plug (D), pin 21. |
| PTS 2 | Also found yellow/orange (-) at the BCM behind glove box, white 72 pin plug (D), pin 61. |