



Wiring Information

| Item | Wire Color | Polarity | Wire Location |
|--------------------|---------------------------------|----------|---|
| 12 Volts | Blue (60A) | + | PDC-Dash Fuse Box, white 4 pin plug (A), pin 1 |
| Ground | (chassis ground) | | |
| Starter | White | + | PDC-Dash Fuse Box, white 66 pin plug (B), pin 15 |
| Second Starter | Yellow (alternate location) | + | PDC-Dash Fuse Box, rear, white 88 pin plug (E), pin 68 |
| Ignition | Red | + | PDC-Dash Fuse Box, white 66 pin plug (B), pin 17 |
| Accessory | Yellow | + | PDC-Dash Fuse Box, white 4 pin plug (A), pin 2 |
| Second Accessory | Blue | + | PDC-Dash Fuse Box, white 66 pin plug (B), pin 36 |
| Ignition Interrupt | Pink/Black | Cut | PDC-Dash Fuse Box, rear, white 88 pin plug (E), pin 13 |
| PTS 1 | Yellow/Black | - | Start Stop Button, black 8 pin plug, pin 1 |
| PTS 2 | Yellow/Orange | - | Start Stop Button, black 8 pin plug, pin 6 |
| PTS 3 | Yellow/Black (PTS 1 alternate) | - | BDC above passenger kick, white 40 pin plug, pin 12 |
| PTS 4 | Yellow/Orange (PTS 2 alternate) | - | BDC above passenger kick, white 40 pin plug, pin 13 |
| CAN Bus High | Pink (D-CAN) | Data | OBD-Data Link Connector, black 16 pin plug, pin 6 |
| CAN Bus Low | Gray (D-CAN) | Data | OBD-Data Link Connector, black 16 pin plug, pin 14 |
| CAN Bus High 2 | Red (B1-CAN) | Data | PDC-Dash Fuse Box, rear, black 36 pin plug (F), pin 17 |
| CAN Bus Low 2 | Blue (B1-CAN) | Data | PDC-Dash Fuse Box, rear, black 36 pin plug (F), pin 16 |
| CAN Bus High 3 | Yellow (M-CAN) | Data | Joint Connector above rear of PDC-Dash Fuse Box, black 32 pin plug (JM02), pin 10 |

2024 Hyundai Kona Electric (SmartKey) - Requested by: amfire.de


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|------------------------------|--------------------------|----------|--|
| CAN Bus Low 3 | Black (M-CAN) | Data | Joint Connector above rear of PDC-Dash Fuse Box, black 32 pin plug (JM02), pin 26 |
| CAN Bus High 4 | Red (B1-CAN) | Data | Driver Kick, blue 66 pin plug (MF11), pin 45 |
| CAN Bus Low 4 | Blue (B1-CAN) | Data | Driver Kick, blue 66 pin plug (MF11), pin 44 |
| OBD 12 Volts | Red/Black (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 | Red | + | OBD-Data Link Connector, black 16 pin plug, pin 3 |
| OBD Connector | Black | | Under Driver Dash, Right of Fuse Panel Cover |
| IMMO Data | Brown | Data | Passenger Kick, white 44 pin plug (EM61), pin 14 |
| IMMO Antenna | Red - Black | RF | Start Stop Button, black 8 pin plug, pins 3 - 8 |
| IMMO Antenna 2 | Red - Black | RF | BDC above passenger kick, blue 34 pin plug, pins 18 - 33 |
| Driver LF Antenna | Pink - Green | RF | Outside Antenna in or behind driver outside handle, gray 6 pin plug, pins 1 - 4 or brown 2 pin plug, pins 1 - 2 |
| Driver LF Antenna 2 | Pink - Green | RF | Driver Kick, blue 66 pin plug (MF11), pins 51 - 52 |
| Driver Door Handle Switch | Orange (w/o digital key) | - | Driver Kick, blue 66 pin plug (MF11), pin 54 |
| Driver Door Handle Lock | Red (with digital key) | - | Driver Kick, blue 66 pin plug (MF11), pin 56 |
| Driver Door Handle Unlock | Blue (with digital key) | - | Driver Kick, blue 66 pin plug (MF11), pin 57 |
| Passenger LF Antenna | White - Blue | RF | Outside Antenna in or behind passenger outside handle, gray 6 pin plug, pins 1 - 4 or brown 2 pin plug, pins 1 - 2 |
| Passenger LF Antenna 2 | White - Blue | RF | Passenger Kick, gray 63 pin plug (MF61), pins 50 - 47 |
| Passenger Door Handle Switch | Green (w/o digital key) | - | Passenger Kick, gray 63 pin plug (MF61), pin 29 |

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| Passenger Door Handle Lock | Red/Orange (with digital key) | - | Passenger Kick, gray 63 pin plug (MF61), pin 20 |
| Passenger Door Handle Unlock | Blue/Orange (with digital key) | - | Passenger Kick, gray 63 pin plug (MF61), pin 49 |
| Center LF Antenna | Red - Green | RF | Inside Antenna behind HVAC controls, brown 2 pin plug, pins 2 - 1 |
| Center LF Antenna 2 | Red - Green | RF | BDC above passenger kick, white 40 pin plug, pins 23 - 3 |
| Rear LF Antenna | Gray - Black | RF | Outside Antenna in middle of rear bumper, black 2 pin plug, pins 2 - 1 |
| Rear LF Antenna 2 | Gray - Black | RF | Driver Kick, blue 66 pin plug (MF11), pins 41 - 50 |
| Rear Handle Switch | Blue/Orange | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 45 |
| Power Lock | Gray (passenger switch) | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 60 |
| Power Unlock | Green (passenger switch) | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 78 |
| Lock Motor | Gray | Reverse | PDC-Dash Fuse Box, white 47 pin plug (D), pin 10 |
| Driver Unlock Motor | Yellow | Reverse | PDC-Dash Fuse Box, white 47 pin plug (D), pin 44 |
| Passenger Unlock Motor | White | Reverse | PDC-Dash Fuse Box, white 47 pin plug (D), pin 36 |
| Factory Alarm Arm | (factory remote only) | | |
| Factory Alarm Disarm | (proximity key and push button) | | |
| Lock Detection | Brown | Open | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 74 |
| Unlock Detection | (same as lock detection) | - | |
| Parking Lights | Red/Black (LF); Brown (RF) | + | PDC-Dash Fuse Box, white 66 pin plug (B), pin 5 (LF); pin 58 (RF) |
| Parking Lights 2 | Green/Black (LR); Brown (RR) | + | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 5 (LR); pin 51 (RR) |
| Parking Lights - | Blue | - 5580 Ohms | Headlight Switch, white 16 pin plug, pin 10 |
| Parking Lights MUX | Blue | MUX | Headlight Switch, white 16 pin plug, pin 10 |


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| Hazards | Green | - | PDC-Dash Fuse Box, rear, black 36 pin plug (F), pin 11 |
| Hazards 2 | Green (alternate location) | - | Hazard Switch, white 6 pin plug, pin 4 |
| Turn Signal (Left) | Blue/Orange (LF); Blue (LR) | + | PDC-Dash Fuse Box, white 66 pin plug (B), pin 3 (LF); gray 88 pin plug (C), pin 69 (LR) |
| Turn Signal (Right) | Red/Black (RF); Orange (RR) | + | PDC-Dash Fuse Box, white 66 pin plug (B), pin 53 (RF); gray 88 pin plug (C), pin 70 (RR) |
| Headlight | Gray | - | Headlight Switch, white 16 pin plug, pin 2 |
| Headlight 2 | Gray (alternate location) | - | PDC-Dash Fuse Box, rear, black 36 pin plug (F), pin 1 |
| AutoLights | Blue | - 680 Ohms (Off) | Headlight Switch, white 16 pin plug, pin 10 |
| Reverse Light | Blue/Orange | + | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 71 |
| Left Front Door Trigger | Blue | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 58 |
| Right Front Door Trigger | Gray | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 73 |
| Left Rear Door Trigger | Blue/Black | - | PDC-Dash Fuse Box, white 47 pin plug (D), pin 7 |
| Right Rear Door Trigger | Gray/Black | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 52 |
| Dome Light | Yellow | - | PDC-Dash Fuse Box, rear, black 36 pin plug (F), pin 33 |
| Trunk/Hatch Pin | Green/Orange | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 76 |
| Hood Pin | Gray | - | PDC-Dash Fuse Box, white 66 pin plug (B), pin 55 |
| Power Liftgate | Yellow | - | Power Liftgate Switch, white 12 pin plug, pin 10 |
| Power Liftgate 2 | Yellow (alternate location) | - | Driver Kick, blue 66 pin plug (MF11), pin 17 |


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| Trunk/Hatch Release | Blue/Orange (rear handle switch) | - | PDC-Dash Fuse Box, gray 88 pin plug (C), pin 45 |
| Trunk Release Motor | Red (w/o power liftgate) | + | PDC-Dash Fuse Box, white 47 pin plug (D), pin 34 |
| Fuel Door Release | (charging door locks-unlocks with driver door) | | |
| Rear Defroster | Black | - Latched | PDC-Dash Fuse Box, white 66 pin plug (B), pin 7 |
| Mirror Defroster | (same as rear defroster) | | |
| Left Front Heated Seat | (B2-CAN) | | |
| Right Front Heated Seat | (B2-CAN) | | |
| Heated Steering Wheel | Blue | - | PDC-Dash Fuse Box, rear, black 36 pin plug (F), pin 22 |
| Speed Sense | White | AC | Passenger Kick, white 44 pin plug (EM61), pin 23 |
| Brake Wire | Green | + | Driver Kick, white 55 pin plug (EM11), pin 27 |
| Brake Wire 2 | Green (alternate location) | + | Brake Switch, black 6 pin plug, pin 5 |
| Brake Wire 3 | Green (alternate location) | + | PDC-Dash Fuse Box, white 66 pin plug (B), pin 32 |
| Parking Brake | (electric parking brake) | | |
| Horn Trigger | White | - | Driver Kick, white 55 pin plug (EM11), pin 39 |
| Horn Trigger 2 | White (alternate location) | - | Horn Switch-Clock Spring, white 14 pin plug, pin 12 |
| Horn - Factory Alarm | White | - | PDC-Dash Fuse Box, rear, black 36 pin plug (F), pin 2 |
| Wipers | Red | + | Passenger Kick, white 44 pin plug (EM61), pin 42 |
| Wipers Protection | Green (relay (-) trigger) | Cut | Passenger Kick, white 44 pin plug (EM61), pin 40 |
| Left Front Window (Up/Down) | Yellow - Orange (auto down); (auto up-down, motor is part of module) | A | Driver Kick, white 47 pin plug (EF11), pins 30 - 29 |
| Right Front Window (Up/Down) | White - Orange (w/o auto); (with auto, motor is part of module) | A | Passenger Power Window Switch, black 12 pin plug, pins 5 - 3 |


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| Left Rear Window (Up/Down) | Brown - Yellow | A | Left Rear Power Window Switch, black 12 pin plug, pins 5 - 3 |
| Right Rear Window (Up/Down) | Brown - Yellow | A | Right Rear Power Window Switch, black 12 pin plug, pins 5 - 3 |
| 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 | + | Radio above passenger kick, white 35 pin plug, pins 10, 11 |
| Radio Ground | Black | - | Radio above passenger kick, white 35 pin plug, pins 12, 13 |
| Radio Ignition | Blue | + | Radio above passenger kick, white 35 pin plug, pin 22 |
| Radio Illumination | Blue (parking lights); Gray (dimmer) | +,- | Radio above passenger kick, white 35 pin plug, pin 6 (parking lights); pin 19 (dimmer) |
| Factory Amp Turn-on | (A2B) | | |
| Left Front Speaker (+/-) | White - Black | +,- | Radio above passenger kick, white 39 pin plug, pins 14 - 13 |
| Right Front Speaker (+/-) | Red - Green | +,- | Radio above passenger kick, white 39 pin plug, pins 17 - 16 |
| Left Rear Speaker (+/-) | Lavender/Yellow - Lavender/Brown | +,- | Radio above passenger kick, white 39 pin plug, pins 2 - 1 |
| Right Rear Speaker (+/-) | Lavender/Orange - Lavender/Gray | +,- | Radio above passenger kick, white 39 pin plug, pins 29 - 28 |
| Left Front Speaker - With Amp | White - Black | +,- | Amplifier in right rear quarter panel, green 28 pin plug, pins 1 - 16 |
| Right Front Speaker - With Amp | Red - Green | +,- | Amplifier in right rear quarter panel, green 28 pin plug, pins 2 - 17 |
| Left Rear Speaker - With Amp | Lavender/Yellow - Lavender/Brown | +,- | Amplifier in right rear quarter panel, green 28 pin plug, pins 12 - 25 |
| Right Rear Speaker - With Amp | Lavender/Orange - Lavender/Gray | +,- | Amplifier in right rear quarter panel, green 28 pin plug, pins 13 - 26 |



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| Center Channel - With Amp | Lavender/Blue - Lavender/Green | +,- | Amplifier in right rear quarter panel, green 28 pin plug, pins 14 - 27 |
| Subwoofer - With Amp | Lavender/Brown - Lavender/Yellow | +,- | Amplifier in right rear quarter panel, green 28 pin plug, pins 3 - 18 |
| Rearview Camera Video | (COAX) | | |



What Fits

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

<http://www.directechs.com>***Additional Wiring Notes***

| Item | Note |
|-------------------|--|
| CAN Bus High 3 | Also found in the driver kick, white 55 pin plug (EM11), pin 53. |
| CAN Bus Low 3 | Also found in the driver kick, white 55 pin plug (EM11), pin 52. |