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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (50A)	+	ICU Junction Block-dash fuse box, black 4 pin plug (B), pin 4
Ground	(chassis ground)		
Starter	Brown/Orange	+	Passenger Kick, black 60 pin plug (EM21), pin 12
Ignition	Red	+	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 1
Accessory	White	+	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 21
Second Accessory	Yellow	+	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 38
Ignition Interrupt	Brown/White	Cut	ICU Junction Block-dash fuse box, rear, white 16 pin plug (E), pin 12
PTS 1	Yellow/Orange	-	Start Stop Button Switch, black 12 pin plug, pin 1
PTS 2	Yellow/Black	-	Start Stop Button Switch, black 12 pin plug, pin 8
CAN Bus High	White (B-CAN)	Data	ICU Junction Block-dash fuse box, rear, white 32 pin plug (G), pin 28
CAN Bus Low	Brown (B-CAN)	Data	ICU Junction Block-dash fuse box, rear, white 32 pin plug (G), pin 29
CAN Bus High 2	White/Orange (M-CAN)	Data	ICU Junction Block-dash fuse box, rear, white 32 pin plug (G), pin 22
CAN Bus Low 2	Brown/Orange (M-CAN)	Data	ICU Junction Block-dash fuse box, rear, white 32 pin plug (G), pin 21
CAN Bus High 3	Yellow (P-CAN)	Data	ICU Junction Block-dash fuse box, rear, white 32 pin plug (G), pin 19
CAN Bus Low 3	Blue (P-CAN)	Data	ICU Junction Block-dash fuse box, rear, white 32 pin plug (G), pin 20
CAN Bus High 4	Green (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low 4	Orange (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14

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Item	Wire Color	Polarity	Wire Location
OBD 12 Volts	Gray (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	Brown	+	OBD-Data Link Connector, black 16 pin plug, pin 3
OBD Connector	Black		Under Driver Dash, Below Fuse Panel Cover
IMMO Data	Orange (EMS COM)	Data	Driver Kick, red 36 pin plug (EM11), pin 36
Power Lock	White (passenger switch)	-	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 28
Power Unlock	Orange (passenger switch)	-	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 55
Lock Motor	Gray	Reverse	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 58
Driver Unlock Motor	White	Reverse	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 11
Passenger Unlock Motor	White	Reverse	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 30
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(proximity key and push button)		
Lock Detection	Brown	Open	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 47
Unlock Detection	(same as lock detection)	-	
Parking Lights	Green/Black (L); Brown/Black (R)	+	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 6 (L); pin 5 (R)
Parking Lights -	Gray	- 1680 Ohms	Headlight-Wiper Switch, gray 16 pin plug, pin 14
Parking Lights MUX	Gray	MUX	Headlight-Wiper Switch, gray 16 pin plug, pin 14
Hazards	White	-	ICU Junction Block-dash fuse box, rear, blue 58 pin plug (F), pin 28
Hazards 2	White (alternate location)	-	Hazard Switch, white 12 pin plug, pin 3

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Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	Orange (LF); Blue/Orange (LR)	+	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 20 (LF); white 58 pin plug (A), pin 23 (LR)
Turn Signal (Right)	Orange (RF); White/Orange (RR)	+	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 24 (RF); white 58 pin plug (A), pin 24 (RR)
Headlight	Blue	-	Headlight-Wiper Switch, gray 16 pin plug, pin 15
AutoLights	Gray	- 680 Ohms (Off)	Headlight-Wiper Switch, gray 16 pin plug, pin 14
Reverse Light	Blue	+	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 31
Reverse Light 2	Blue (alternate location)	+	Driver Kick, blue 58 pin plug (MF11), pin 40
Left Front Door Trigger	Blue	-	ICU Junction Block-dash fuse box, white 32 pin plug (D), pin 19
Right Front Door Trigger	Yellow	-	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 46
Left Rear Door Trigger	Blue	-	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 56
Right Rear Door Trigger	Pink	-	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 44
Dome Light	Yellow	-	ICU Junction Block-dash fuse box, rear, blue 58 pin plug (F), pin 17
Trunk/Hatch Pin	White	-	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 45
Hood Pin	Brown	-	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 35
Power Liftgate	Green/Black	-	Power Liftgate Switch, white 16 pin plug, pin 13
Power Liftgate 2	Green/Black (alternate location)	-	Driver Kick, blue 58 pin plug (MF11), pin 5
Trunk/Hatch Release	Green (rear handle switch)	-	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 57
Trunk Release Motor	Blue/White	+	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 4
Fuel Door Release	Brown	-	Fuel Lid Opener Switch, white 16 pin plug, pin 8

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Item	Wire Color	Polarity	Wire Location
Tachometer	Gray	AC	Driver Kick, red 36 pin plug (EM11), pin 16
Tachometer 2	Blue/Orange (2.0L)	AC	Camshaft Position Sensor, engine driver side rear, gray 3 pin plug, pin 3
Tachometer 3	Pink/Black (3.3L)	AC	Camshaft Position Sensor, engine driver side rear, black 3 pin plug, pin 2
Fuel Pump	Green	+	Inline Connector below harness to driver taillight, white 24 pin plug (FF01), pin 13
Rear Defroster	Brown	- Latched	ICU Junction Block-dash fuse box, white 32 pin plug (D), pin 26
Left Front Heated Seat	Red	-	Console Switch, white 32 pin plug, pin 15 or 16
Right Front Heated Seat	Gray	-	Console Switch, white 32 pin plug, pin 2 or 1
Heated Steering Wheel	White	-	Console Switch, white 32 pin plug, pin 25
Speed Sense	White	AC	Radio, white 38 pin plug, pin 38
Brake Wire	Green/Black	+	Brake Switch, black 6 pin plug, pin 5
Brake Wire 2	Green (alternate location)	+	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 25
Parking Brake	Black (w/o electric parking brake)	-	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 37
Horn Trigger	White	-	Horn Switch-Clock Spring, white 14 pin plug, pin 8
Horn - Factory Alarm	Blue/Orange	-	ICU Junction Block-dash fuse box, red 58 pin plug (C), pin 26
Wipers	Blue	+	Passenger Kick, black 60 pin plug (EM21), pin 16
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)	Yellow/Black - Red/Black	A	Left Rear Window Switch, white 18 pin plug, pins 13 - 15

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Item	Wire Color	Polarity	Wire Location
Right Rear Window (Up/Down)	Yellow/Black - Red/Black	A	Right Rear Window Switch, white 18 pin plug, pins 13 - 15
Sun Roof (Open/Close)	Yellow and Orange (open) (functions with ignition on only)	Both -	Left Front Pillar, white 44 pin plug (MR11), pins 18, 22
Sun Roof (Limit/Close)	Green and Orange (close) (functions with ignition on only)	Both -	Left Front Pillar, white 44 pin plug (MR11), pins 20, 22
Memory Seat 1	Green/Orange	- 1500 Ohms	Driver Window Switch, white 16 pin plug, pin 12
Memory Seat 2	(same as memory seat 1)	- 3300 Ohms	
Radio 12V	Red	+	Radio, gray 35 pin plug, pins 10, 11
Radio Ground	Black	-	Radio, gray 35 pin plug, pins 12, 13
Radio Ignition	Blue	+	Radio, gray 35 pin plug, pin 22
Radio Illumination	Yellow/Orange (parking lights); White/Black (dimmer)	+,-	Radio, gray 35 pin plug, pin 6 (parking lights); pin 19 (dimmer)
Factory Amp Turn-on	(M-CAN) (audio is SPDIF)		
Power Antenna	Red	+	Radio, gray 35 pin plug, pin 5
Left Front Speaker (+/-)	Red - Blue	+,-	Radio, white 38 pin plug, pins 13 - 14
Right Front Speaker (+/-)	Green - Orange	+,-	Radio, white 38 pin plug, pins 16 - 15
Left Rear Speaker (+/-)	White - 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	Red - Blue	+,-	Amplifier in trunk right side, yellow 28 pin plug, pins 12 - 13 or red 28 pin plug, pins 4 - 19
Right Front Speaker - With Amp	Green - Orange	+,-	Amplifier in trunk right side, yellow 28 pin plug, pins 14 - 15 or red 28 pin plug, pins 3 - 18
Left Front Tweeter - With Amp	Green - Orange (premium system)	+,-	Amplifier in trunk right side, blue 28 pin plug, pins 15 - 28
Right Front Tweeter - With Amp	Brown - White (premium system)	+,-	Amplifier in trunk right side, blue 28 pin plug, pins 14 - 27

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Item	Wire Color	Polarity	Wire Location
Left Rear Speaker - With Amp	White - Black or Black - White	+,-	Amplifier in trunk right side, green 28 pin plug, pins 1 - 2 or red 28 pin plug, pins 13 - 26
Right Rear Speaker - With Amp	Brown - White or Orange - Green	+,-	Amplifier in trunk right side, green 28 pin plug, pins 3 - 4 or red 28 pin plug, pins 12 - 25
Left Rear Tweeter - With Amp	White - Black (tweeter/midrange) (premium system)	+,-	Amplifier in trunk right side, red 28 pin plug, pins 15 - 28
Right Rear Tweeter - With Amp	Brown - White (tweeter/midrange) (premium system)	+,-	Amplifier in trunk right side, red 28 pin plug, pins 14 - 27
Center Channel - With Amp	Green - Orange	+,-	Amplifier in trunk right side, yellow 28 pin plug, pins 25 - 26 or blue 28 pin plug, pins 13 - 26
Subwoofer - With Amp	Red - Blue (L); Brown - White (R)	+,-	Amplifier in trunk right side, green 28 pin plug, pins 16 - 17 (L); pins 18 - 19 (R)
Subwoofer - With Amp 2	Brown - White (L); Blue - Red (R) (premium system)	+,-	Amplifier in trunk right side, red 28 pin plug, pins 2 - 17 (L); pins 1 - 16 (R)
Aux. Audio Input Left (+/-)	Green - Brown	+,-	Radio, white 38 pin plug, pins 24 - 25
Aux. Audio Input Right (+/-)	White - Brown	+,-	Radio, white 38 pin plug, pins 10 - 25
Rearview Camera Video	White - Green (rear view); (S-Video with surround view)	+,-	Radio, white 38 pin plug, pins 7 - 21

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What Fits

Item	Size	Depth	Location

2021 Kia Stinger(SmartKey) - Requested by: ampire.de

Additional Wiring Notes

Item	Note
CAN Bus High	Also found in the Driver Kick, blue 58 pin plug (MF11), pin 9.
CAN Bus High 3	Also found in the Driver Kick, blue 58 pin plug (MF11), pin 43.
CAN Bus Low	Also found in the Driver Kick, blue 58 pin plug (MF11), pin 10.
CAN Bus Low 3	Also found in the Driver Kick, blue 58 pin plug (MF11), pin 44.