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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (60A)	+	IGPM-Dash Fuse Box, black 4 pin plug (B), pin 1
Ground	(chassis ground)		
Starter	Orange	+	IGPM-Dash Fuse Box, black 46 pin plug (A), pin 4
Ignition	Pink	+	Driver Kick, black 82 pin plug (EM11), pin 2
Accessory	Green	+	Driver Kick, black 82 pin plug (EM11), pin 26
Second Accessory	Blue	+	Driver Kick, black 82 pin plug (EM11), pin 68
Ignition Interrupt	Pink	Cut	IGPM-Dash Fuse Box, rear, white 40 pin plug (F), pin 18
PTS 1	Yellow/Black	-	Start Stop Button Switch, gray 12 pin plug, pin 1
PTS 2	Yellow/Orange	-	Start Stop Button Switch, gray 12 pin plug, pin 8
CAN Bus High	White (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Black (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Red (B-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 5
CAN Bus Low 2	Blue (B-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 6
CAN Bus High 3	Orange (P-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 2
CAN Bus Low 3	Green (P-CAN)	Data	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 1
OBD 12 Volts	Red (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

2022 Kia NiroHybrid(SmartKey) - Requested by: ampire.de



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Item	Wire Color	Polarity	Wire Location
OBD Connector	Black		Under Driver Dash, Below Fuse Panel
IMMO Data	Brown/Orange (EMS COM)	Data	Driver Kick, black 82 pin plug (EM11), pin 55
Power Lock	Pink/Black (w/o memory)	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 17
Power Unlock	Yellow/Black (w/o memory)	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 18
Power Unlock - Driver Door	Yellow	-	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 16
Lock Motor	Gray	Reverse	IGPM-Dash Fuse Box, black 51 pin plug (C), pin 26
Driver Unlock Motor	White	Reverse	Driver Kick, white 48 pin plug (MF11), pin 1
Passenger Unlock Motor	Brown	Reverse	IGPM-Dash Fuse Box, black 51 pin plug (C), pin 48
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(proximity key and push button)		
Lock Detection	Brown	Open	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 22
Unlock Detection	(same as lock detection)	-	
Parking Lights	Red/Orange (LF); Red/Orange (RF)	+	IGPM-Dash Fuse Box, black 46 pin plug (A), pin 44 (LF); pin 35 (RF)
Parking Lights 2	Green/Black (LR); Brown/Black (RR)	+	IGPM-Dash Fuse Box, black 51 pin plug (C), pin 18 (LR); pin 40 (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	Red	-	IGPM-Dash Fuse Box, rear, white 16 pin plug (G), pin 13
Turn Signal (Left)	Blue/Orange (LF); Blue/Orange (LR)	+	IGPM-Dash Fuse Box, black 46 pin plug (A), pin 20 (LF); black 51 pin plug (C), pin 19 (LR)
Turn Signal (Right)	Blue/Orange (RF); Red/Orange (RR)	+	IGPM-Dash Fuse Box, black 46 pin plug (A), pin 2 (RF); black 51 pin plug (C), pin 11 (RR)

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Headlight	Yellow	-	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	+	Driver Kick, white 48 pin plug (MF11), pin 2
Left Front Door Trigger	Green	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 28
Right Front Door Trigger	Gray	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 29
Left Rear Door Trigger	Pink	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 1
Right Rear Door Trigger	Orange	-	IGPM-Dash Fuse Box, black 51 pin plug (C), pin 25
Dome Light	Yellow	-	Left Front Pillar, white 36 pin plug (MR11), pin 6
Trunk/Hatch Pin	Blue	-	IGPM-Dash Fuse Box, white 32 pin plug (D), pin 16
Hood Pin	Green	-	IGPM-Dash Fuse Box, black 46 pin plug (A), pin 18
Trunk/Hatch Release	Pink (rear handle switch)	-	IGPM-Dash Fuse Box, black 51 pin plug (C), pin 30
Trunk Release Motor	Red	+	IGPM-Dash Fuse Box, black 51 pin plug (C), pin 10
Fuel Door Release	Yellow	-	Fuel Filler Switch, white 8 pin plug, pin 3
Tachometer	(program engine checking off)		
Tachometer 2	Brown	AC	Passenger Kick, black 82 pin plug (EM61), pin 10
Tachometer 3	White	AC	Camshaft Position Sensor, engine driver side, black 3 pin plug, pin 2
Fuel Pump	Gray	+	Driver Kick, black 26 pin plug (EF11), pin 1
Rear Defroster	Black	- Latched	IGPM-Dash Fuse Box, black 46 pin plug (A), pin 14
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	Yellow	-	Console Switch, white 24 pin plug, pin 20

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Right Front Heated Seat	Yellow/Red	-	Console Switch, white 24 pin plug, pin 8
Heated Steering Wheel	Violet	-	Console Switch, white 24 pin plug, pin 12
Speed Sense	Yellow	AC	Radio, white 38 pin plug, pin 38
Brake Wire	Green	+	Driver Kick, black 82 pin plug (EM11), pin 27
Brake Wire 2	Green (alternate location)	+	Brake Switch, black 6 pin plug, pin 5
Parking Brake	Green (w/o EPB)	-	IGPM-Dash Fuse Box, black 46 pin plug (A), pin 15
Horn Trigger	White	-	Driver Kick, black 82 pin plug (EM11), pin 40
Horn Trigger 2	White (alternate location)	-	Horn Switch-Clock Spring, white 14 pin plug, pin 8
Horn - Factory Alarm	Yellow	-	Driver Kick, black 82 pin plug (EM11), pin 11
Wipers	Red/Black	+	Driver Kick, black 82 pin plug (EM11), pin 15
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	Brown - White (w/o auto); (with auto, motor is part of module)	A	Driver Kick, door harness, black 50 pin plug, pins 41 - 40
Left Rear Window (Up/Down)	Blue - Orange (w/o memory); Yellow - White (with memory)	A	Driver Kick, door harness, black 50 pin plug, pins 11 - 10 (w/o memory); Left Rear Window Switch, white 12 pin plug, pins 8 - 11 (with memory)
Right Rear Window (Up/Down)	Green - Yellow (w/o memory); Brown - Gray (with memory)	A	Driver Kick, door harness, black 50 pin plug, pins 31 - 30 (w/o memory); Right Rear Window Switch, white 12 pin plug, pins 8 - 11 (with memory)
Sun Roof (Open/Close)	Orange and Gray (open) (functions with ignition on only)	Both -	Sunroof Switch, white 6 pin plug, pins 2, 3
Sun Roof (Limit/Close)	Gray and Yellow (close) (functions with ignition on only)	Both -	Sunroof Switch, white 6 pin plug, pins 3, 4
Memory Seat 1	Yellow/Orange	-	Driver Kick, door harness, black 50 pin plug, pin 43
Memory Seat 2	Brown	-	Driver Kick, door harness, black 50 pin plug, pin 48
Radio 12V	Red and Orange	+	Radio, gray 35 pin plug, pins 10, 11



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Radio Ground	Black	-	Radio, gray 35 pin plug, pins 12, 13
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 SPDIF)		
Power Antenna	Red (w/o navigation)	+	Radio, gray 35 pin plug, pin 5
Left Front Speaker (+/-)	White - Brown	+,-	Radio, white 38 pin plug, pins 13 - 14
Right Front Speaker (+/-)	Red - Blue	+,-	Radio, white 38 pin plug, pins 16 - 15
Left Rear Speaker (+/-)	Yellow - Black	+,-	Radio, white 38 pin plug, pins 1 - 2
Right Rear Speaker (+/-)	Orange - Green	+,-	Radio, white 38 pin plug, pins 28 - 27
Left Front Speaker - With Amp	White - Brown	+,-	Amplifier behind center of dash, red 28 pin plug, pins 4 - 19
Right Front Speaker - With Amp	Red - Blue	+,-	Amplifier behind center of dash, red 28 pin plug, pins 3 - 18
Left Rear Speaker - With Amp	Yellow - Black	+,-	Amplifier behind center of dash, red 28 pin plug, pins 13 - 26
Right Rear Speaker - With Amp	Orange - Green	+,-	Amplifier behind center of dash, red 28 pin plug, pins 12 - 25
Center Channel - With Amp	Yellow - Black	+,-	Amplifier behind center of dash, red 28 pin plug, pins 14 - 27
Subwoofer - With Amp	Brown - White (coil 1); Red - Blue (coil 2)	+,-	Amplifier behind center of dash, red 28 pin plug, pins 2 - 17 (coil 1); pins 1 - 16 (coil 2)
Rearview Camera Video	Red - Black	+,-	Radio, white 38 pin plug, pins 7 - 21



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What Fits

Item	Size	Depth	Location
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