2022 Kia NiroHybrid - Requested by: ampire.de

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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 40 pin plug (F), pin 15
Accessory Interrupt	Orange	Cut	IGPM-Dash Fuse Box, rear, white 38 pin plug (E), pin 35
Keysense	White	-	Key Switch, white 6 pin plug, pin 4
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

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Item	Wire Color	Polarity	Wire Location
OBD Ignition	Red	+	OBD-Data Link Connector, black 16 pin plug, pin 3
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
K Line	Blue/Black	Data	OBD-Data Link Connector, black 16 pin plug, pin 12
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	(transponder and ignition)		
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

Item	Wire Color	Polarity	Wire Location
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)
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	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

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Item	Wire Color	Polarity	Wire Location
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
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

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Item	Wire Color	Polarity	Wire Location
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
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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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.