

## 2020 Kia Stinger(SmartKey)



<http://www.directtechs.com>

**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, white 60 pin plug (EM21), pin 12 (H-Matic); blue 76 pin plug (MF21), pin 52 (E-Shift)
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, white 12 pin plug, pin 1
PTS 2	Yellow/Black	-	Start Stop Button Switch, white 12 pin plug, pin 8
CAN Bus High	Green (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Orange (D-CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	White (B-CAN)	Data	Driver Kick, blue 58 pin plug (MF11), pin 9
CAN Bus Low 2	Brown (B-CAN)	Data	Driver Kick, blue 58 pin plug (MF11), pin 10
CAN Bus High 3	Green (C-CAN)	Data	Driver Kick, red 36 pin plug (EM11), pin 14
CAN Bus Low 3	Orange (C-CAN)	Data	Driver Kick, red 36 pin plug (EM11), pin 20
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 Connector	Black		Under Driver Dash, Below Fuse Panel Cover

## 2020 Kia Stinger(SmartKey)



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
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	Brown (key lock)	Open	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 47
Factory Alarm Disarm	(same as factory alarm arm)	-	
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, white 16 pin plug, pin 14
Parking Lights MUX	Gray	MUX	Headlight-Wiper Switch, white 16 pin plug, pin 14
Hazards	White	-	ICU Junction Block-dash fuse box, rear, white 58 pin plug (F), pin 28
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, white 16 pin plug, pin 15
AutoLights	Gray	Cut	Headlight-Wiper Switch, white 16 pin plug, pin 14
Reverse Light	Blue	+	ICU Junction Block-dash fuse box, white 58 pin plug (A), pin 31
Left Front Door Trigger	Blue	-	ICU Junction Block-dash fuse box, white 32 pin plug (D), pin 19

## 2020 Kia Stinger(SmartKey)


<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
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, white 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
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
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
Speed Sense	White	AC	Radio, white 38 pin plug, pin 38

## 2020 Kia Stinger(SmartKey)



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
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
Wipers	Blue	+	Passenger Kick, white 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
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	- Resistor	Memory Switch, white 6 pin plug, pin 3
Memory Seat 2	(same as memory seat 1)	- Resistor	
Radio 12V	Red	+	Radio, white 35 pin plug, pins 10, 11
Radio Ground	Black	-	Radio, white 35 pin plug, pins 12, 13
Radio Ignition	Blue	+	Radio, white 35 pin plug, pin 22
Radio Illumination	Yellow/Orange (parking lights); White/Black (dimmer)	+,-	Radio, white 35 pin plug, pin 6 (parking lights); pin 19 (dimmer)
Factory Amp Turn-on	(M-CAN)		
Power Antenna	Red	+	Radio, white 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

## 2020 Kia Stinger(SmartKey)



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
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, red 28 pin plug, pins 12 - 13 or blue 28 pin plug, pins 4 - 19
Right Front Speaker - With Amp	Green - Orange	+,-	Amplifier in trunk right side, red 28 pin plug, pins 14 - 15 or blue 28 pin plug, pins 3 - 18
Left Front Tweeter - With Amp	Green - Orange (premium system)	+,-	Amplifier in trunk right side, red 28 pin plug, pins 15 - 28
Right Front Tweeter - With Amp	Brown - White (premium system)	+,-	Amplifier in trunk right side, red 28 pin plug, pins 14 - 27
Left Rear Speaker - With Amp	White - Black or Black - White	+,-	Amplifier in trunk right side, blue 28 pin plug, pins 1 - 2 or 13 - 26
Right Rear Speaker - With Amp	Brown - White or Orange - Green	+,-	Amplifier in trunk right side, blue 28 pin plug, pins 3 - 4 or 12 - 25
Left Rear Tweeter - With Amp	White - Black (tweeter/midrange) (premium system)	+,-	Amplifier in trunk right side, blue 28 pin plug, pins 15 - 28
Right Rear Tweeter - With Amp	Brown - White (tweeter/midrange) (premium system)	+,-	Amplifier in trunk right side, blue 28 pin plug, pins 14 - 27
Center Channel - With Amp	Green - Orange	+,-	Amplifier in trunk right side, red 28 pin plug, pins 25 - 26 or 13 - 26
Subwoofer - With Amp	Red - Blue (L); Brown - White (R)	+,-	Amplifier in trunk right side, blue 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, blue 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 (w/o surround view monitor)	+,-	Radio, white 38 pin plug, pins 7 - 21

**2020 Kia Stinger(SmartKey)**



<http://www.directechs.com>

***What Fits***

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