

# DirectWire

2022 Dodge/Ram Durango (Smart Key) - North America - Requested by ampire.de

## Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (40A)	+	BCM above passenger kick, black 4 pin plug (B), pin 3
Starter Kill	Yellow/Gray	+	Underhood Fuse Box, black 42 pin plug (C3), pin 42
Starter	Blue/Tan	+	BCM above passenger kick, black 24 pin plug (A), pin 19
Ignition Sense	Pink/White	+	BCM above passenger kick, black 48 pin plug (E), pin 27
PTS 1	Violet/Blue	+	Keyless Ignition Node (Start Stop Button), black 6 pin plug, pin 4
CAN Bus High	White/Green (CAN C)	Data	Green CAN Junction Block at driver end of dash, white 3 pin plug, pin 1
CAN Bus Low	White/Blue (CAN C)	Data	Green CAN Junction Block at driver end of dash, white 3 pin plug, pin 2
CAN Bus High 2	White/Green (CAN IHS)	Data	White CAN Junction Block at driver end of dash, green 3 pin plug, pin 1
CAN Bus Low 2	White (CAN IHS)	Data	White CAN Junction Block at driver end of dash, green 3 pin plug, pin 2
CAN Bus High 3	Tan (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low 3	Yellow (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
OBD 12 Volts	Gray/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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IMMO Data	White/Green	Data	Keyless Ignition Node (Start Stop Button), black 6 pin plug, pin 5
Driver LF Antenna	Gray - Gray/Brown	RF	Outside Antenna in middle of left rear door, black 2 pin plug, pins 1 - 2
Driver LF Antenna 2	Gray - Gray/Brown	RF	Left Rear Door Harness --or-- Radio Freq Hub Module in left rear quarter panel, black 20 pin plug, pins 5 - 15
Driver Door Handle Switch	Green/Yellow	-	Driver Kick, door harness --or-- Radio Freq Hub Module in left rear quarter panel, black 20 pin plug, pin 6
Passenger LF Antenna	Gray/Orange - Gray/Violet	RF	Outside Antenna in middle of right rear door, black 2 pin plug, pins 1 - 2
Passenger LF Antenna 2	Gray/Orange - Gray/Violet	RF	Right Rear Door Harness --or-- Radio Freq Hub Module in left rear quarter panel, black 20 pin plug, pins 4 - 14
Passenger Door Handle Switch	Green/Orange	-	Passenger Kick, door harness --or-- Radio Freq Hub Module in left rear quarter panel, black 20 pin plug, pin 7
Center LF Antenna	Gray/Blue - Gray/Tan	RF	Inside Antenna behind HVAC controls, black 2 pin plug, pins 1 - 2
Center LF Antenna 2	Gray/Blue - Gray/Tan	RF	Radio Freq Hub Module in left rear quarter panel, black 20 pin plug, pins 2 - 12
Rear LF Antenna	Gray/Dk. Green - Gray/Green	RF	Outside Antenna in middle of rear bumper, black 2 pin plug, pins 1 - 2
Rear LF Antenna 2	Gray/Dk. Green - Gray/Green	RF	Radio Freq Hub Module in left rear quarter panel, black 20 pin plug, pins 1 - 11
Rear Handle Switch	Tan/Dk. Green (lock)	-	Radio Freq Hub Module in left rear quarter panel, black 20 pin plug, pin 10

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Rear Handle Switch 2	Green/White (release)	-	Liftgate Harness --or-- BCM above passenger kick, white 48 pin plug (F), pin 8
Power Lock	Violet/Green (passenger switch)	- 330 Ohms	Passenger Window/Door Lock Switch, green 10 pin plug, pin 8
Lock Motor	Green/Dk. Green	Reverse	BCM above passenger kick, white 48 pin plug (F), pin 2
Driver Unlock Motor	Tan/Green	Reverse	BCM above passenger kick, white 48 pin plug (F), pin 1
Passenger Unlock Motor	Violet/Green	Reverse	BCM above passenger kick, white 48 pin plug (F), pin 3
Parking Lights	White/Brown (LF); White/Orange (RF)	+	BCM above passenger kick, black 24 pin plug (A), pin 4 (LF); white 24 pin plug (D), pin 3 (RF)
Parking Lights 2	White/Gray (LR); White/Orange (RR)	+	BCM above passenger kick, white 48 pin plug (F), pin 32 (LR); black 48 pin plug (E), pin 4 (RR)
Parking Lights -	White/Brown (see Tech Doc 1082)	- 1130 Ohms	Headlight Switch, black 10 pin plug, pin 1
Parking Lights MUX	White/Brown	MUX	Headlight Switch, black 10 pin plug, pin 1
Hazards	White/Dk. Blue	-	BCM above passenger kick, blue 24 pin plug (G), pin 21
Turn Signal (Left)	White/Green (LF); White/Dk. Green (LR)	+	BCM above passenger kick, white 24 pin plug (D), pin 14 (LF); black 48 pin plug (E), pin 3 (LR)
Turn Signal (Right)	White/Tan (RF); White/Yellow (RR)	+	BCM above passenger kick, black 24 pin plug (A), pin 13 (RF); white 48 pin plug (F), pin 42 (RR)
Headlight	White/Brown (need to relay isolate the switch)	- 660 Ohms	Headlight Switch, black 10 pin plug, pin 1 --or-- BCM above passenger kick, blue 24 pin plug (G), pin 20

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AutoLights	White/Brown (need to relay isolate the switch)	- 2000 Ohms (Off)	Headlight Switch, black 10 pin plug, pin 1 --or-- BCM above passenger kick, blue 24 pin plug (G), pin 20
Reverse Light	White/Tan	+	BCM above passenger kick, white 48 pin plug (F), pin 41
Left Front Door Trigger	Violet	-	BCM above passenger kick, white 48 pin plug (F), pin 9
Right Front Door Trigger	Violet/White	-	BCM above passenger kick, white 48 pin plug (F), pin 23
Left Rear Door Trigger	Violet/Gray	-	BCM above passenger kick, blue 24 pin plug (G), pin 18
Right Rear Door Trigger	Violet/Yellow	-	BCM above passenger kick, black 48 pin plug (E), pin 5
Dome Light	Yellow/Violet	+	BCM above passenger kick, blue 24 pin plug (G), pin 14
Trunk/Hatch Pin	Violet/Orange	-	BCM above passenger kick, white 48 pin plug (F), pin 26
Hood Pin	Violet/Blue	-	BCM above passenger kick, black 24 pin plug (A), pin 11
Power Liftgate	Violet/Tan	- 4700 Ohms	Electronic Overhead Module, black 16 pin plug, pin 15
Trunk/Hatch Release	Green/White (rear handle switch)	-	BCM above passenger kick, white 48 pin plug (F), pin 8
Trunk Release Motor	Tan/Yellow	Reverse	BCM above passenger kick, white 48 pin plug (F), pin 4
Fuel Door Release	Green/Violet	+	Fuel Door Switch, white 4 pin plug, pin 2
Tachometer	NOT Brown/White	AC	Any Fuel Injector, black 2 pin plug, pin 2 (V6); 1 (V8)
Fuel Pump	Dk. Blue/Orange	+	Underhood Fuse Box, 42 pin plug, pin 17

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Rear Defroster	Dk. Blue	+ Latched	A/C Heater Control, 36 pin plug, pin 14
Brake Wire	Dk. Green/White	+	BCM above passenger kick, white 24 pin plug (D), pin 18
Parking Brake	Dk. Green/White	-	BCM above passenger kick, black 48 pin plug (E), pin 11
Horn Trigger	Dk. Green/White	+	BCM above passenger kick, black 24 pin plug (A), pin 23
Wipers	Brown/Yellow	+	BCM above passenger kick, black 24 pin plug (A), pin 12
Left Front Window (Up/Down)	Orange/Green - Orange/White	A	Driver Door Module, violet 5 pin plug, pins 4 - 5
Right Front Window (Up/Down)	Orange/Brown - Orange/Violet	A	Passenger Door Module, violet 5 pin plug, pins 4 - 5
Left Rear Window (Up/Down)	Tan/Yellow - Tan/Blue	A	Left Rear Power Window Switch, white 6 pin plug, pins 2 - 3
Right Rear Window (Up/Down)	Orange/Brown - Orange/Violet	A	Right Rear Power Window Switch, white 6 pin plug, pins 2 - 3
Sun Roof (Open/Close)	Orange/Tan - Orange/Blue (function with ignition on only)	-	Electronic Overhead Module, black 16 pin plug, pins 9 - 11
Memory Seat 1	Dk. Blue	- Resistor	Memory Set Switch, 6 pin plug, pin 5
Radio 12V	Red	+	Radio, 52 pin plug, pin 44
Radio Ground	Black	-	Radio, 52 pin plug, pin 43
Radio Ignition	Pink/Yellow (delayed accessory)	+	Cigar Lighter --or-- Driver Kick, door harness
Left Front Speaker (+/-)	Gray/Violet - Gray/Yellow or Dk. Green - Dk. Green/Brown	+,-	Radio, 52 pin plug, pins 47 - 51

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Right Front Speaker (+/-)	Dk. Green/Violet - Dk. Green/Yellow or Gray - Gray/Brown	+,-	Radio, 52 pin plug, pins 46 - 50
Left Rear Speaker (+/-)	Gray/Green - Gray/Dk. Green or Dk. Green/Dk. Blue - Dk. Green/Orange	+,-	Radio, 52 pin plug, pins 48 - 52
Right Rear Speaker (+/-)	Dk. Green/Green - Dk. Green/Gray or Gray/Dk. Blue - Gray/Orange	+,-	Radio, 52 pin plug, pins 45 - 49
Left Front Speaker - With Amp	Gray/Violet - Gray/Yellow (woofer); Gray/Violet - Gray/Yellow (tweeter)	+,-	Amplifier in left rear quarter panel, black 16 pin plug, pins 8 - 16 (woofer); white 22 pin plug, pins 20 - 9 (tweeter)
Right Front Speaker - With Amp	Dk. Green/Violet - Dk. Green/Yellow (woofer); Dk. Green/Violet - Dk. Green/Yellow (tweeter)	+,-	Amplifier in left rear quarter panel, black 16 pin plug, pins 7 - 15 (woofer); white 22 pin plug, pins 19 - 8 (tweeter)
Left Rear Speaker - With Amp	Gray/Green - Gray/Dk. Green	+,-	Amplifier in left rear quarter panel, black 16 pin plug, pins 13 - 5
Right Rear Speaker - With Amp	Dk. Green/Green - Dk. Green/Gray	+,-	Amplifier in left rear quarter panel, black 16 pin plug, pins 4 - 12
Left Rear Surround - With Amp	Dk. Green/Tan - Dk. Green/Gray	+,-	Amplifier in left rear quarter panel, white 22 pin plug, pins 10 - 21
Right Rear Surround - With Amp	Dk. Green/Brown - Yellow/Gray	+,-	Amplifier in left rear quarter panel, black 16 pin plug, pins 10 - 2
Center Channel - With Amp	Gray/Brown - Gray/Orange	+,-	Amplifier in left rear quarter panel, white 22 pin plug, pins 11 - 22
Subwoofer - With Amp	Gray/Brown - Dk. Green/Brown (coil 1); Gray/White - Dk. Green/White (coil 2)	+,-	Amplifier in left rear quarter panel, black 16 pin plug, pins 3 - 11 (coil 1); pins 14 - 6 (coil 2)
Aux. Audio Input Left (+/-)	Green/Tan - Green/Dk. Blue	+,-	Radio, 52 pin plug, pins 16 - 7

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Aux. Audio Input Right (+/-)	Green/Blue - Green/Dk. Blue	+,-	Radio, 52 pin plug, pins 6 - 7
Rearview Camera Video	Dk. Green/Brown - Dk. Green/Orange	+,-	Radio, 52 pin plug, pins 31 - 32
RSE Video (+/-)	Gray/Blue - Gray/Yellow	+,-	Radio, 52 pin plug, pins 24 - 25
RSE Audio Left (+/-)	Dk. Green/Violet - Gray/Blue	+,-	Radio, 52 pin plug, pins 10 - 9
RSE Audio Right (+/-)	Dk. Green/Yellow - Gray/Blue	+,-	Radio, 52 pin plug, pins 8 - 9