

DirectWire

2023 Dodge/Ram Charger (Smart Key) - North America - Requested by ampire.de

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Violet/Red (40A)	+	BCM above passenger kick, black 4 pin plug (B), pin 3
Starter Kill	Lt. 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/Lt. 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 behind glove box, white 3 pin plug, pin 1
CAN Bus Low	White/Blue (CAN C)	Data	Green CAN Junction Block behind glove box, white 3 pin plug, pin 2
CAN Bus High 2	White/Gray (CAN IHS)	Data	White CAN Junction Block under driver dash, green 3 pin plug, pin 1
CAN Bus Low 2	White/Orange (CAN IHS)	Data	White CAN Junction Block under driver 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	Red/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
IMMO Data	White/Lt. Green	Data	Keyless Ignition Node (Start Stop Button), black 6 pin plug, pin 5

Item	Wire Color	Polarity	Wire Location
Power Lock	Violet/Lt. Green (passenger switch)	- 330 Ohms	Passenger Window-Door Lock Switch, green 10 pin plug, pin 8
Lock Motor	Lt. Green/Dk. Green	Reverse	BCM above passenger kick, white 48 pin plug (F), pin 2
Driver Unlock Motor	Tan/Lt. Green	Reverse	BCM above passenger kick, white 48 pin plug (F), pin 1
Passenger Unlock Motor	Violet/Lt. 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 6 pin plug, pin 3
Parking Lights MUX	White/Brown	MUX	Headlight Switch, black 6 pin plug, pin 3
Hazards	White/Dk. Blue	-	BCM above passenger kick, blue 24 pin plug (G), pin 21
Turn Signal (Left)	White/Lt. Green (LF); White (LR)	+	BCM above passenger kick, white 24 pin plug (D), pin 14 (LF); white 48 pin plug (F), pin 40 (LR)
Turn Signal (Right)	White/Tan (RF); White/Lt. Green (RR)	+	BCM above passenger kick, black 24 pin plug (A), pin 13 (RF); black 48 pin plug (E), pin 2 (RR)
Headlight	White/Brown (relay isolate from switch)	- 660 Ohms	Headlight Switch, black 6 pin plug, pin 3
AutoLights	White/Brown (relay isolate from switch)	- 2000 Ohms (Off)	Headlight Switch, black 6 pin plug, pin 3
Reverse Light	White/Tan	+	BCM above passenger kick, white 48 pin plug (F), pin 41

Item	Wire Color	Polarity	Wire Location
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, white 48 pin plug (F), pin 27
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/Lt. Blue	-	BCM above passenger kick, black 24 pin plug (A), pin 11
Trunk/Hatch Release	Lt. Green/White	-	BCM above passenger kick, blue 24 pin plug (G), pin 8
Trunk-Hatch Release2	Lt. Green/White (alternate location)	-	Trunk Release Switch, black 4 pin plug, pin 2
Trunk Release Motor	Tan/Yellow	Reverse	BCM above passenger kick, white 48 pin plug (F), pin 4
Fuel Door Release	Lt. Green/Violet	+	Driver Kick, harness to rear
Tachometer	Dk. Blue/Tan (3.6L)	AC	Camshaft Position Sensor, engine driver side rear, black 4 pin plug, pin 1
Tachometer 2	Dk. Blue/Gray (5.7L, 6.2L, 6.4L)	AC	Camshaft Position Sensor, engine passenger side front, black 3 pin plug, pin 3
Fuel Pump	Dk. Blue/Orange	+	Fuel Pump Module under rear seat, black 5 pin plug, pin 5 (3.6L, 5.7L, 6.4L); gray 6 pin plug, pins 5 and 6 (6.2L)

Item	Wire Color	Polarity	Wire Location
Rear Defroster	Dk. Blue	+ Latched	A/C Heater Module behind glove box, white 24 pin plug, pin 18
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/Lt. Blue	+	BCM above passenger kick, black 24 pin plug (A), pin 12
Left Front Window (Up/Down)	Orange/Lt. 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/Lt. Blue	A	Left Rear Window Switch, gray 6 pin plug, pins 2 - 3
Right Rear Window (Up/Down)	Orange/Brown - Orange/Violet	A	Right Rear Window Switch, gray 6 pin plug, pins 2 - 3
Sun Roof (Open/Close)	Orange/Tan - Orange/Lt. Blue (function with ignition on only)	-	Electronic Overhead Module, black 16 pin plug, pins 9 - 11
Memory Seat 1	Violet/Brown	MUX	Memory Set Switch, black 4 pin plug, pin 1
Radio 12V	Red	+	Radio, black 52 pin plug, pin 44
Radio Ground	Black	-	Radio, black 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	+,-	Radio, black 52 pin plug, pins 47 - 51

Item	Wire Color	Polarity	Wire Location
Right Front Speaker (+/-)	Dk. Green/Violet - Dk. Green/Yellow	+,-	Radio, black 52 pin plug, pins 46 - 50
Left Rear Speaker (+/-)	Dk. Green/Tan - Dk. Green/Gray	+,-	Radio, black 52 pin plug, pins 48 - 52
Right Rear Speaker (+/-)	Dk. Green/Brown - Yellow/Gray	+,-	Radio, black 52 pin plug, pins 45 - 49
Left Front Speaker - With Amp	Gray/Violet - Gray/Yellow	+,-	Amplifier above driver kick, black 16 pin plug, pins 8 - 16 or white 22 pin plug, pins 22 - 21
Right Front Speaker - With Amp	Dk. Green/Violet - Dk. Green/Yellow	+,-	Amplifier above driver kick, black 16 pin plug, pins 7 - 15 or white 22 pin plug, pins 10 - 11
Left Front Tweeter - With Amp	Gray/Orange - Gray/Yellow	+,-	Amplifier above driver kick, white 22 pin plug, pins 20 - 9 or 6 - 7
Right Front Tweeter - With Amp	Gray/Dk. Green - Gray/Lt. Green	+,-	Amplifier above driver kick, white 22 pin plug, pins 19 - 8 or 9 - 8
Left Rear Speaker - With Amp	Dk. Green/Tan - Dk. Green/Gray	+,-	Amplifier above driver kick, black 16 pin plug, pins 14 - 6 or gray 22 pin plug, pins 21 - 22
Right Rear Speaker - With Amp	Dk. Green/Brown - Yellow/Gray	+,-	Amplifier above driver kick, black 16 pin plug, pins 3 - 11 or white 22 pin plug, pins 4 - 5
Left Rear Tweeter - With Amp	Gray/Lt. Green - Gray/Dk. Green	+,-	Amplifier above driver kick, black 16 pin plug, pins 13 - 5 or white 22 pin plug, pins 2 - 3
Right Rear Tweeter - With Amp	Dk. Green/Lt. Green - Dk. Green/Gray	+,-	Amplifier above driver kick, black 16 pin plug, pins 4 - 12 or white 22 pin plug, pins 15 - 16
Left Rear Surround - With Amp	Dk. Green/Dk. Blue - Dk. Green/Tan	+,-	Amplifier above driver kick, white 22 pin plug, pins 17 - 18
Right Rear Surround - With Amp	Gray/Dk. Blue - Gray/Tan	+,-	Amplifier above driver kick, gray 22 pin plug, pins 11 - 10

Item	Wire Color	Polarity	Wire Location
Center Channel - With Amp	Gray/Brown - Gray/Orange	+,-	Amplifier above driver kick, white 22 pin plug, pins 10 - 21 or 19 - 20
Subwoofer - With Amp	Gray/Brown - Dk. Green/Brown (coil 1); Gray/White - Dk. Green/White (coil 2) (premium 1, 2)	+,-	Amplifier above driver kick, black 16 pin plug, pins 10 - 2 (coil 1); pins 9 - 1 (coil 2)
Subwoofer - With Amp 2	Gray/Brown - Dk. Green/Brown (premium 3)	+,-	Amplifier above driver kick, white 22 pin plug, pins 14 - 13
Aux. Audio Input Left (+/-)	Lt. Green/Tan - Lt. Green/Dk. Blue	+,-	Radio, black 52 pin plug, pins 16 - 7
Aux. Audio Input Right (+/-)	Lt. Green/Lt. Blue - Lt. Green/Dk. Blue	+,-	Radio, black 52 pin plug, pins 6 - 7
Rearview Camera Video	Dk. Green/Brown - Dk. Green/Orange	+,-	Radio, black 52 pin plug, pins 31 - 32