2018 Dodge/Ram Durango(SmartKey) - Requested by: ampire.de

DODGE//
RAM

DirectWire
Vehicle Wiring
Database

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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (40A)	+	BCM above passenger kick, black 4 pin plug (B), pin 3
Ground	(chassis ground)		
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
Data Bus	(INTERFACE MODULE REQUIRED FOR REMOTE START)		
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
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 Connector	Black		Under Driver Dash, Right of Hood Release
IMMO Data	White/Green	Data	Keyless Ignition Node (Start Stop Button), black 6 pin plug, pin 5
Power Lock	Violet/Green (passenger switch)	- 330 Ohms	Passenger Window/Door Lock Switch, green 10 pin plug, pin 8

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Item	Wire Color	Polarity	Wire Location
Power Unlock	(same as power lock)	- 100 Ohms	
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
Factory Alarm Arm	(arms on lock with door open)		
Factory Alarm Disarm	(proximity key and push button)		
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/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 6 pin plug, pin 3 --or-- BCM above passenger kick, blue 24 pin plug (G), pin 20
AutoLights	White/Brown (need to relay isolate the switch)	- 2000 Ohms (Off)	Headlight Switch, black 6 pin plug, pin 3 --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

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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, 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
Rear Defroster	Dk. Blue	+ Latched	A/C Heater Control, 36 pin plug, pin 14
Mirror Defroster	(CAN IHS)		
Left Front Heated Seat	(CAN IHS)		
Right Front Heated Seat	(CAN IHS)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Dk. Green/White	+	BCM above passenger kick, white 24 pin plug (D), pin 18

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Item	Wire Color	Polarity	Wire Location
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
Memory Seat 2	(same as memory seat 1)	- Resistor	
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
Radio Illumination	(CAN IHS)		
Factory Amp Turn-on	(CAN IHS)		
Left Front Speaker (+/-)	Gray/Violet - Gray/Yellow or Dk. Green - Dk. Green/Brown	+,-	Radio, 52 pin plug, pins 47 - 51
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)

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Item	Wire Color	Polarity	Wire Location
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
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

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What Fits

Item	Size	Depth	Location
Headunit	Double DIN		Center of Dash
Left Front Speaker	6 x 9		Left Front Door
Left Front Tweeter	1 (tweeter); 3.5 (midrange)		Left Front Door
Right Front Speaker	6 x 9		Right Front Door
Right Front Tweeter	1 (tweeter); 3.5 (midrange)		Right Front Door
Left Rear Speaker	6.5		Left Rear Door
Left Rear Tweeter	1 (tweeter); 2.5 or 3.5 (surround)		Left Rear Door; Left Rear Pillar
Right Rear Speaker	6.5		Right Rear Door
Right Rear Tweeter	1 (tweeter); 2.5 or 3.5 (surround)		Right Rear Door; Right Rear Pillar
Center Channel	3.5		Top Center of Dash
Subwoofer	8 or 10		Right Rear Quarter Panel