2016 Toyota RAV4 Hybrid - North America

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	white (120A)	+	dash fuse box, white 1 pin plug (3A), pin 1
Starter	lt. blue	+	Certification ECU behind glove box, white 18 pin plug, pin 7
Ignition	yellow	+	dash fuse box, white 56 pin plug (3B), pin 14
Second Ignition	pink	+	dash fuse box, white 48 pin plug (3C), pin 43
Accessory	red	+	dash fuse box, white 48 pin plug (3C), pin 45
PTS 1	lt. green	-	engine start stop switch, black 10 pin plug, pin 5
PTS 2	green	-	engine start stop switch, black 10 pin plug, pin 1
SLP	lt. green	-	steering lock actuator on steering column, black 7 pin plug, pin 4
CAN Bus High	black (CAN Diag Bus)	data	data link connector, white 16 pin plug, pin 6
CAN Bus Low	white (CAN Diag Bus)	data	data link connector, white 16 pin plug, pin 14
CAN Bus High 2	green (CAN Bus 2)	data	Body ECU on back of dash fuse box, white 30 pin plug, pin 14
CAN Bus Low 2	white (CAN Bus 2)	data	Body ECU on back of dash fuse box, white 30 pin plug, pin 13
RX DATA	red (BRX)	data	Body ECU on back of dash fuse box, white 30 pin plug, pin 26
TX DATA	blue (BTX)	data	Body ECU on back of dash fuse box, white 30 pin plug, pin 25
IMMO Data	lt. green (IMO)	data	Certification ECU behind glove box, white 18 pin plug, pin 14
IMMO Data 2	pink (IMI)	data	Certification ECU behind glove box, white 18 pin plug, pin 13
Security Light	green	+	security light assembly, black 24 pin plug, pin 21
Power Lock	pink	-	driver kick, black 26 pin plug, pin 7
Power Unlock	black	-	driver kick, black 26 pin plug, pin 9

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Item	Wire Color	Polarity	Wire Location
Lock Motor	black	5 wire	driver kick, white 12 pin plug, pin 10
Driver Unlock Motor	black	5 wire	driver kick, white 12 pin plug, pin 11
Passenger Unlock Motor	black	5 wire	dash fuse box, white 56 pin plug (3D), pin 3
Factory Alarm Arm	brown (driver door key lock)	-	driver kick, gray 18 pin plug, pin 6 or black 26 pin plug, pin 6
Factory Alarm Disarm	pink (driver door key unlock)	double -	driver kick, gray 18 pin plug, pin 2
Disarm No Unlock	(proximity key and push-button)		
Parking Lights (+)	green	+	dash fuse box, white 40 pin plug (3E), pin 38
Parking Lights (-)	white	-	headlight switch, black 20 pin plug, pin 18
Hazards	gray	-	hazard switch assembly, black 24 pin plug, pin 7
Turn Signal (Left)	yellow	+	dash fuse box, white 40 pin plug (3E), pin 14
Turn Signal (Right)	lt. blue	+	dash fuse box, white 48 pin plug (3C), pin 14
Headlight	blue	-	headlight switch, black 20 pin plug, pin 19
AutoLights	green	cut	headlight switch, black 20 pin plug, pin 20
Reverse Light	red	+	dash fuse box, white 40 pin plug (3E), pin 4
Left Front Door Trigger	white	-	dash fuse box, white 40 pin plug (3E), pin 40
Right Front Door Trigger	blue	-	Body ECU on back of dash fuse box, white 30 pin plug, pin 19
Left Rear Door Trigger	white	-	Body ECU on back of dash fuse box, white 30 pin plug, pin 1
Right Rear Door Trigger	yellow	-	Body ECU on back of dash fuse box, white 30 pin plug, pin 6
Dome Light	gray	-	dash fuse box, white 56 pin plug (3D), pin 35
Trunk/Hatch Pin	lt. green	-	dash fuse box, white 40 pin plug (3E), pin 33
Hood Pin	red (with remote start only)	-	above driver kick, white 5 pin plug, pin 4

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Item	Wire Color	Polarity	Wire Location
Trunk/Hatch Release	yellow (rear handle switch); red (power liftgate)	-	driver kick, blue 20 pin plug, pin 18; power liftgate switch, black 5 pin plug, pin 4
Trunk Release Motor	red (without power liftgate)	5 wire	dash fuse box, white 40 pin plug (3E), pin 8
Tachometer	gray	ac	data link connector, white 16 pin plug, pin 9
Fuel Pump	black	+	driver kick, white 13 pin plug, pin 8
Rear Defroster	black	+ latched	dash fuse box, white 56 pin plug (3B), pin 1
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	blue	5 wire	left seat heater switch, white 6 pin plug, pin 1
Right Front Heated Seat	red	5 wire	right seat heater switch, white 10 pin plug, pin 2
Speed Sense	beige (without amplifier); blue (with amplifier)	ac	radio, white 28 pin plug, pin 17; passenger kick, gray 22 pin plug, pin 9
Brake Wire	white	+	dash fuse box, white 56 pin plug (3B), pin 18
Parking Brake	black	-	dash fuse box, white 56 pin plug (3D), pin 34
Horn Trigger	lt. green	-	dash fuse box, white 56 pin plug (3D), pin 39
Wipers	black (LO); red (HI); blue (ignition)	+	wiper switch, white 10 pin plug, pins 3, 4, 2
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	green - brown	A	driver kick, white 12 pin plug, pins 3 - 2
Left Rear Window (Up/Down)	red - beige	A	driver kick, gray 18 pin plug, pins 17 - 18
Right Rear Window (Up/Down)	green - brown	A	driver kick, gray 18 pin plug, pins 8 - 9
Sun Roof (Open/Close)	red - black (function with ignition on only)	-	map light assembly, white 20 pin plug, pins 7 - 8
Sun Roof (Limit/Close)	green - gray (tilt up/down) (function with ignition on only)	-	map light assembly, white 20 pin plug, pins 16 - 17
Memory Seat 1	green	-	driver kick, black 26 pin plug, pin 22
Memory Seat 2	pink	-	driver kick, black 26 pin plug, pin 24
Radio 12V	lt. blue	+	radio, white 10 pin plug, pin 4

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Item	Wire Color	Polarity	Wire Location
Radio Ground	brown	-	radio, white 10 pin plug, pin 7
Radio Ignition	gray	+	radio, white 10 pin plug, pin 3
Radio Illumination	green (parking lights); white (dimmer)	+,-	radio, white 10 pin plug, pin 10; white 6 pin plug, pin 5
Left Front Speaker (+/-)	pink - purple	+,-	radio, white 10 pin plug, pins 2 - 6
Right Front Speaker (+/-)	lt. green - blue	+,-	radio, white 10 pin plug, pins 1 - 5
Left Rear Speaker (+/-)	black - yellow	+,-	radio, white 6 pin plug, pins 2 - 6
Right Rear Speaker (+/-)	red - white	+,-	radio, white 6 pin plug, pins 1 - 3
Subwoofer (+/-)	black - green (1); pink - purple (2)	+,-	amplifier in right rear quarter panel, white 30 pin plug, pins 8 - 23; 15 - 30
Aux. Audio Input Left (+/-)	black - red	+,-	radio, white 28 pin plug, pins 28 - 27
Aux. Audio Input Right (+/-)	white - red	+,-	radio, white 28 pin plug, pins 26 - 27
RSE Video (+/-)	white - red (rear view camera video)	+,-	radio, white 24 pin plug, pins 12 - 24
Satellite Radio 12 Volts	red	+	satellite tuner below radio, white 8 pin plug, pin 4
Satellite Radio Ground	black	-	satellite tuner below radio, white 8 pin plug, pin 8
Satellite Radio Ignition	yellow	+	satellite tuner below radio, white 8 pin plug, pin 3
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	(DIN cable)		
Satellite Audio Right (+/-)	(DIN cable)		

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.3 or 6.7		left front door
Left Front Tweeter	1 or 3.1		left front dash
Right Front Speaker	6.3 or 6.7		right front door
Right Front Tweeter	1 or 3.1		right front dash
Left Rear Speaker	6.3 or 6.7		left rear door
Left Rear Tweeter	(coaxial)		
Right Rear Speaker	6.3 or 6.7		right rear door
Right Rear Tweeter	(coaxial)		
Subwoofer	7.5		right rear quarter panel
Satellite Radio Tuner			below radio

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Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are pink - purple (woofer); pink - purple (tweeter) at the amplifier in right rear quarter panel, white 30 pin plug, pins 14 - 29; 10 - 25.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are black - yellow at the amplifier in right rear quarter panel, white 30 pin plug, pins 11 - 26.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are lt. green - blue (woofer); yellow - black (tweeter) at the amplifier in right rear quarter panel, white 30 pin plug, pins 9 - 24; 13 - 28.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are red - white at the amplifier in right rear quarter panel, white 30 pin plug, pins 12 - 27.