

2015 Audi R8 - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	red/violet (40A)	+	VEBCM below glove box, brown 52 pin plug, pin 42
Ground	(chassis ground)		
Starter	black/gray	+	Steering Column Module, black 20 pin plug, pin 18
Ignition	black/violet	+	Steering Column Module, black 20 pin plug, pin 17
CAN Bus High	orange/red	data	data link connector, black 16 pin plug, pin 6
CAN Bus Low	orange/brown	data	data link connector, black 16 pin plug, pin 14
CAN Bus High 2	orange/green	data	Steering Column Module, black 20 pin plug, pin 14
CAN Bus Low 2	orange/brown	data	Steering Column Module, black 20 pin plug, pin 15
IMMO Antenna	white/yellow	RF	Immobilizer Reader Coil on ignition switch, 2 pin plug, pin 1
Power Lock	white/violet	- resistor	Driver Door Module, gray 32 pin plug, pin 32
Power Unlock	same as power lock	- resistor	
Lock Motor	black/white	5 wire	Driver Door Module, black 20 pin plug, pin 13
Driver Unlock Motor	brown	5 wire	Driver Door Module, black 20 pin plug, pin 12
Passenger Unlock Motor	brown	5 wire	Passenger Door Module, black 20 pin plug, pin 12
Factory Alarm Arm	black/blue (driver door key cylinder)	-	Driver Door Module, black 20 pin plug, pin 16
Factory Alarm Disarm	same as factory alarm arm	- 250 ohms	
Disarm No Unlock	see factory alarm disarm		
Parking Lights (+)	green (LF), blk/blu (RF), grn/wht (LR); white (RR)	+	VEBCM, black 52 pin plug, pins 7, 8, 27; brown 52 pin plug, pin 3
Parking Lights (-)	black/white	-	VEBCM below glove box, black 52 pin plug, pin 19
Hazards	blue/red	-	VEBCM below glove box, brown 52 pin plug, pin 7
Turn Signal (Left)	black/white (F); white/red (R)	+	VEBCM, black 52 pin plug, pin 10; brown 52 pin plug, pin 4
Turn Signal (Right)	black/green (F); white/red (R)	+	VEBCM, brown 52 pin plug, pin 50; black 52 pin plug, pin 26

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Item	Wire Color	Polarity	Wire Location
Headlight	white/black	-	VESCM below glove box, black 52 pin plug, pin 22
AutoLights	black/blue (interrupt to turn off autolights)	-	VESCM below glove box, black 52 pin plug, pin 20
Reverse Light	black/blue	+	VESCM below glove box, brown 52 pin plug, pin 51
Left Front Door Trigger	black/violet	-	Driver Door Module, black 20 pin plug, pin 7
Right Front Door Trigger	black/violet	-	Passenger Door Module, black 20 pin plug, pin 7
Dome Light	gray/blue	-	VESCM below glove box, brown 52 pin plug, pin 10
Trunk/Hatch Pin	gray/red (front trunk)	-	VESCM below glove box, black 52 pin plug, pin 29
Hood Pin	green (rear hood)	-	VESCM below glove box, black 52 pin plug, pin 14
Trunk/Hatch Release	red/white (front trunk)	-	Driver Door Module, gray 32 pin plug, pin 30
Trunk Release Motor	gray (front trunk)	5 wire	VESCM below glove box, yellow 52 pin plug, pin 11
Fuel Door Release	yellow/gray	-	Driver Door Module, gray 32 pin plug, pin 13
Tachometer	brown/stripe	ac	any fuel injector
Clutch Pedal	gray/blue and green/gray	-	clutch switch harness above driver kick or ECM, driver side of engine, black 94 pin plug, pins 39, 41
Fuel Pump	black	+	relay/fuse panel behind passenger seat, fuse S81
Rear Defroster	yellow/gray	- latched	VESCM below glove box, yellow 52 pin plug, pin 22
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	black/green	5 wire	Climatronic Control Module, black 3 pin plug, pin 1
Right Front Heated Seat	black/yellow	5 wire	Climatronic Control Module, black 3 pin plug, pin 3
Speed Sense	white	ac	passenger side of center console, black 17 pin plug, pin 1
Brake Wire	red/black	+	VESCM below glove box, brown 52 pin plug, pin 17
Parking Brake	black/yellow	-	VESCM below glove box, black 52 pin plug, pin 12
Horn Trigger	black/red	-	VESCM below glove box, yellow 52 pin plug, pin 41

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Item	Wire Color	Polarity	Wire Location
Wipers	(LIN bus)		
Left Front Window (Up/Down)	use factory alarm arm/disarm		
Right Front Window (Up/Down)	see left front window		
Right Rear Window (Up/Down)	white/red (rear window on conv) (with ign on only)	-resistors	rear window switch, 6 pin plug, pin 1
Sun Roof (Open/Close)	violet/blue - blue/green (conv) (with ign on only)	-	convertible top switch, 6 pin plug, pins 1 and 2
Radio 12V	red/white	+	radio, black 8 pin plug, pin 7, or 2 pin plug, pin 1
Radio Ground	brown/red	-	radio, black 8 pin plug, pin 4, or 2 pin plug, pin 2
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	white	+	radio, black 8 pin plug, pin 5, or black 12 pin plug, pin 4
Left Front Speaker (+/-)	green/yellow - brown, or grn/yel - wht/ye (preamp)	+,-	radio, black 12 pin plug, pins 11 and 8, or 2 and 3
Right Front Speaker (+/-)	green/blue - brown, or grn/blu - wht/blu (preamp)	+,-	radio, black 12 pin plug, pins 9 and 8, or 8 and 9
Left Rear Speaker (+/-)	green/black - brown, or grn/blk - wht/blk (preamp)	+,-	radio, black 12 pin plug, pins 5 and 8, or 6 and 5
Right Rear Speaker (+/-)	gray/red - brown, or gray/red - gray/wht (preamp)	+,-	radio, black 12 pin plug, pins 3 and 8, or 12 and 11
Center Channel (+/-)	green - brown	+,-	amplifier behind driver seat, black 32 pin plug, pins 21 - 20, or 5 - 17
Subwoofer (+/-)	red/green - brown/green (Bang and Olufsen only)	+,-	amplifier behind driver seat, black 32 pin plug, pins 25 and 30
Aux. Audio Input Left (+/-)	yellow - green	+,-	radio, gray 32 pin plug, pins 22 and 6
Aux. Audio Input Right (+/-)	gray - green	+,-	radio, gray 32 pin plug, pins 21 and 6
RSE Audio Left (+/-)	yellow - green (satellite/CD/iPod audio)		radio, black 12 pin plug, pins 8 and 2
RSE Audio Right (+/-)	gray - green (satellite/CD/iPod audio)		radio, black 12 pin plug, pins 9 and 2
Satellite Radio 12 Volts	red/violet	+	sat radio behind pass seat, blk 8 pin plug, pin 2
Satellite Radio Ground	brown/red	-	sat radio behind pass seat, blk 8 pin plug, pin 1
Satellite Radio Ignition	(CAN bus)		

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Item	Wire Color	Polarity	Wire Location
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	yellow - green	+,-	satellite radio, black 8 pin plug, pins 6 and 5
Satellite Audio Right (+/-)	gray - green	+,-	satellite radio, black 8 pin plug, pins 7 and 5

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**What Fits**

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5 or 8	2.6	left front door
Left Front Tweeter	1 (tweeter); 3 (midrange)	0.8; 1.8	left front pillar; left front door
Right Front Speaker	6.5 or 8	2.6	right front door
Right Front Tweeter	1 (tweeter); 3 (midrange)	0.8; 1.8	right front pillar; right front door
Left Rear Speaker	6.5	2.5	left rear side panel
Left Rear Tweeter	1	1	left rear side panel
Right Rear Speaker	6.5	2.5	right rear side panel
Right Rear Tweeter	1	1	right rear side panel
Center Channel	3	2	top center of dash
Subwoofer	6.5	2	right front footwell
Satellite Radio Tuner			behind passenger seat

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**Additional Wiring Notes**

Item	Note
Left Front Speaker (+/-)	The speaker wires are blue/purple - white/purple (low); blue/purple - white/purple (mid/high) at the amplifier behind driver seat, black 32 pin plug, pins 4 and 3; 7 and 6. On Bang and Olufsen systems, the speaker wires are brown/black - brown/purple (low); brown - green (mid); brown - green (high) at the amplifier behind driver seat, black 32 pin plug, pins 23 and 28; 6 and 18; 8 and 20.
Left Rear Speaker (+/-)	On Bang and Olufsen systems, the speaker wires are brown/black - brown/red at the amplifier behind driver seat, black 32 pin plug, pins 3 and 15.
Right Front Speaker (+/-)	The speaker wires are blue/purple - white/purple (low); blue/purple - white/purple (mid/high) at the amplifier behind driver seat, black 32 pin plug, pins 16 and 15; 19 and 18. On Bang and Olufsen systems, the speaker wires are brown/black - brown/purple (low); green - brown (mid); brown - blue (high) at the amplifier behind driver seat, black 32 pin plug, pins 10 and 22; 7 and 19; 9 and 21.
Right Rear Speaker (+/-)	On Bang and Olufsen systems, the speaker wires are brown/blue - brown/white at the amplifier behind driver seat, black 32 pin plug, pins 4 and 16.