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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Gray (30A)	+	VEBCM under driver dash, brown 17 pin plug, pin 16
Ground	(chassis ground)		
Starter Kill	Red/Black	+	Starter Relay in trunk fuse/relay box
Ignition Sense	Blue/Red	+	VEBCM under driver dash, black 32 pin plug, pin 16
PTS 1	Blue/White	-	Start Stop Button, black 6 pin plug, pin 3
PTS 2	Black/Red	-	Start Stop Button, black 6 pin plug, pin 5
PTS 3	Black/Gray	-	Start Stop Button, black 6 pin plug, pin 6
CAN Bus High	Orange/Red	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Orange/Brown	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Orange/Green	Data	Driver Kick, door harness
CAN Bus Low 2	Orange/Brown	Data	Driver Kick, door harness
CAN Bus High 3	Orange/Green	Data	VEBCM under driver dash, brown 16 pin plug, pin 15
CAN Bus Low 3	Orange/Brown	Data	VEBCM under driver dash, brown 16 pin plug, pin 14
OBD 12 Volts	Red/Black (10A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Blue/Red	+	OBD-Data Link Connector, black 16 pin plug, pin 1
Power Lock	violet/red	- resistor	Driver Door Module, blue 32 pin plug, pin 28
Power Unlock	(same as power lock)	- resistor	
Lock Motor	blue/brown	5 wire	Driver Door Module, black 20 pin plug, pin 13
Driver Unlock Motor	brown/green	5 wire	Driver Door Module, black 20 pin plug, pin 11

2018 Audi A8(SmartKey) - Requested by: ampire.de



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Item	Wire Color	Polarity	Wire Location
Passenger Unlock Motor	brown/green	5 wire	Passenger Door Module, black 20 pin plug, pin 11
Factory Alarm Arm	blue/white (driver door key lock)	-	Driver Door Module, black 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	- 250 ohms	
Disarm No Unlock	(see factory alarm disarm)		
Parking Lights	gray/black (LF); white/red (RF)	+	VESCM under driver dash, brown 17 pin plug, pin 2; red 17 pin plug, pin 12
Parking Lights 2	gray/green (LR); gray/red (RR)	+	Comfort System Module in R side of trunk, black 17 pin plug, pin 9; brown 17 pin plug, pin 10
Parking Lights -	(LIN bus)		
Hazards	red/blue	-	VESCM under driver dash, gray 32 pin plug, pin 8
Turn Signal (Left)	black/green (F); black/white (R)	+	VESCM, brown 17 pin plug, pin 5; Comfort System Module, black 32 pin plug, pin 31
Turn Signal (Right)	black/red (F); black/green (R)	+	VESCM, red 17 pin plug, pin 10; Comfort System Module, black 32 pin plug, pin 30
Headlight	yellow/black (L); yellow/red (R)	+	VESCM under driver dash, brown 17 pin plug, pin 15; red 17 pin plug, pin 15
AutoLights	(LIN bus)		
Reverse Light	white/green	+	Comfort System Module in R side of trunk, brown 17 pin plug, pin 14
Left Front Door Trigger	brown/green	-	Driver Door Module, black 20 pin plug, pin 5
Right Front Door Trigger	brown/gray	-	Passenger Door Module, black 20 pin plug, pin 5
Left Rear Door Trigger	gray/violet	-	Left Rear Door Module, black 20 pin plug, pin 5
Right Rear Door Trigger	gray/violet	-	Right Rear Door Module, black 20 pin plug, pin 5
Dome Light	(LIN bus)		
Trunk/Hatch Pin	white/black	-	Comfort System Module in R side of trunk, gray 32 pin plug, pin 4
Hood Pin	yellow/black	-	VESCM under driver dash, black 32 pin plug, pin 3

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Item	Wire Color	Polarity	Wire Location
Trunk/Hatch Release	red/green	-	Driver Door Module, blue 32 pin plug, pin 23
Trunk Release Motor	green/white	5 wire	Comfort System Module in R side of trunk, black 17 pin plug, pin 5
Fuel Door Release	(locks/unlocks along with doors)		
Tachometer	blue (3.0L)	ac	Camshaft Position Sensor, engine driver side front, black 3 pin plug, pin 2
Tachometer 2	gray/red (4.0L)	ac	Camshaft Position Sensor, engine driver side, black 3 pin plug, pin 2
Fuel Pump	red/gray	+	fuel pump relay in R side of trunk
Rear Defroster	red/brown	+ latched	Comfort System Module in R side of trunk, black 32 pin plug, pin 4
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	(CAN bus)		
Right Front Heated Seat	(CAN bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/Green	+	Brake Switch, black 4 pin plug, pin 3
Parking Brake	green/violet	-	electric parking brake switch, 12 pin plug, pin 8
Horn Trigger	black/white	+	VEBCM under driver dash, black 32 pin plug, pin 29
Wipers	(LIN bus)		
Left Front Window (Up/Down)	(use factory alarm arm/disarm)		
Right Front Window (Up/Down)	(see left front window)		
Left Rear Window (Up/Down)	(see left front window)		
Right Rear Window (Up/Down)	(see left front window)		
Sun Roof (Open/Close)	(use factory alarm arm/disarm)		
Memory Seat 1	gray	- resistor	Driver Door Module, blue 32 pin plug, pin 19
Memory Seat 2	(same as memory seat 1)	- resistor	
Radio 12V	red/yellow	+	radio, 10 pin plug, pin 10

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Item	Wire Color	Polarity	Wire Location
Radio Ground	brown	-	radio, 10 pin plug, pin 9
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(CAN bus)		
Left Front Speaker (+/-)	white - blue (t); red - brown/red (m); white/black - blue/black (w)	+,-	amplifier in left side of trunk, 38 pin plug, pins 10 - 22; 19 - 7; 16 - 4
Right Front Speaker (+/-)	red - brown (t); blue - brown/blue (m); red/black - brown/black (w)	+,-	amplifier in left side of trunk, 38 pin plug, pins 21 - 9; 8 - 20; 12 - 11
Left Rear Speaker (+/-)	white/violet - blue/violet (t+m); blue - brown (surr)	+,-	amplifier in left side of trunk, 38 pin plug, pins 13 - 14; 34 - 33
Right Rear Speaker (+/-)	red/violet - brown/violet (t+m); red - brown (surr)	+,-	amplifier in left side of trunk, 38 pin plug, pins 3 - 15; 37 - 38
Center Channel (+/-)	white - brown	+,-	amplifier in left side of trunk, 38 pin plug, pins 31 - 32
Subwoofer (+/-)	red/gray - brown/gray	+,-	amplifier in left side of trunk, 38 pin plug, pins 17 - 5
Aux. Audio Input Left (+/-)	yellow - brown	+,-	radio, 12 pin plug, pins 2 - 1
Aux. Audio Input Right (+/-)	green - brown	+,-	radio, 12 pin plug, pins 7 - 1
RSE Video (+/-)	(coaxial cable)		
RSE Audio Left (+/-)	(MOST bus)		
RSE Audio Right (+/-)	(MOST bus)		



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What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5	3	left front door
Left Front Tweeter	1 (tweeter); 3 (midrange)	1; 1.5	left front dash (tweeter); front door (midrange)
Right Front Speaker	6.5	3	right front door
Right Front Tweeter	1 (tweeter); 3 (midrange)	1; 1.5	right front dash (tweeter); front door (midrange)
Left Rear Speaker	6.5	3	left rear door
Left Rear Tweeter	1 (tweeter); 3 (surround)	1; 1.5	left rear door (tweeter); rear deck (surround)
Right Rear Speaker	6.5	3	right rear door
Right Rear Tweeter	1 (tweeter); 3 (surround)	1; 1.5	right rear door (tweeter); rear deck (surround)
Center Channel	3	1.5	top center of dash
Subwoofer	10	3	center of rear deck