

2009 Audi A4



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/yellow (30A)	+	VESCM under driver dash, brown 17 pin plug, pin 16
Second 12 Volts	red/purple (30A)	+	VESCM under driver dash, red 17 pin plug, pin 16
Starter	ignition switch interface needed for remote start		
Second Starter	blue/yellow (SS1), blue/wht (SS2) (push-button st)	-	start/stop button, 4 pin plug, pins 3 and 4
Ignition	black/purple or purple/black (for ign sense only)	+	VESCM under driver dash, black 32 pin plug, pin 16
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	black/gray (for accessory sense only)	+	cigarette lighter, 3 pin plug, pin 2
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	immobilizer interface needed for remote start		
Can Bus High	orange/green	data	driver kick or VESCM under driver dash, brown 16 pin plug, pin 15
Can Bus Low	orange/brown	data	driver kick or VESCM under driver dash, brown 16 pin plug, pin 14
Can Bus Sw	N/A		
Power Lock	purple/red	- resistor	Driver Door Module, 32 pin plug, pin 28
Power Unlock	same as power lock	- resistor	
Lock Motor	gray/green	5 wire	Driver Door Module, 20 pin plug, pin 13
Unlock Motor	brown/blue	5 wire	Driver Door Module, 20 pin plug, pin 11
Disarm Defeat	brown/blue	5 wire	Passenger Door Module, 20 pin plug, pin 11
Parking Lights (+)	gray/black (LF); gray/red (RF)	+	VESCM under dr dash, brn 17 pin plg, pin 2; red 17 pin plg, pin 12
Parking Lights (-)	(LIN bus)		
Hazards	red/yellow	-	VESCM under driver dash, gray 32 pin plug, pin 8
Turn Signal (Left)	black/white (LF)	+	VESCM under driver dash, brown 17 pin plug, pin 5
Turn Signal (Right)	black/green (RF)	+	VESCM under driver dash, red 17 pin plug, pin 10

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/black (L); yellow or green/white (R)	+	VESCM under dr dash, brn 17 pin plg, pin 15; red 17 pin plg, pin 15
AutoLights	(LIN bus)		
Reverse Light	black	+	Comfort System Module in R side of trunk, brown 17 pin plug, pin 14
Left Front Door Trigger	gray/purple	-	Driver Door Module, 20 pin plug, pin 5
Right Front Door Trigger	gray/purple	-	Passenger Door Module, 20 pin plug, pin 5
Left Rear Door Trigger	gray/purple	-	Left Rear Door Module, 20 pin plug, pin 5
Right Rear Door Trigger	gray/purple	-	Right Rear Door Module, 20 pin plug, pin 5
Dome Supervision	blue	-	VESCM under driver dash, black 17 pin plug, pin 9
Trunk/Hatch Pin	green/yellow	-	Comfort System Module in R side of trunk, gray 32 pin plug, pin 4
Rear Glass Pin	N/A		
Hood Pin	green/yellow	-	VESCM under driver dash, black 32 pin plug, pin 3
Trunk Hatch/Release	red	-	Driver Door Module, 32 pin plug, pin 23
Trunk Release Motor	green/red	5 wire	Comfort System Module in R side of trunk, black 17 pin plug, pin 5
Fuel Door Release	locks/unlocks along with doors		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	blue (driver door key cylinder)	-	Driver Door Module, 20 pin plug, pin 1
Factory Alarm Disarm	same as factory alarm arm	- 250 ohms	
Disarm No Unlock	see factory alarm disarm		
Trunk Alarm Shunt	N/A		
Tachometer	brown/striped (I4); non common wire (V6)	ac	any fuel injector
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	blue/gray	-	clutch switch, 6 pin plug, pin 3
Fuel Pump	black/white	+	driver dash fuse panel, brn fuse carrier 2, pin 3A
Rear Defroster	white/red	+ latched	Comfort System Module in R side of trunk, black 32 pin plug, pin 4
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	red/white (without ventilation)	5 wire	VESCM under driver dash, green 6 pin plug, pin 1
Right Front Heated Seat	red/green (without ventilation)	5 wire	VESCM under driver dash, green 6 pin plug, pin 6

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	white/blue	ac	driver kick, brown 17 pin plug, pin 3
Brake Wire	red/black	+	brake switch, black 4 pin plug, pin 3
Parking Brake	gray/yellow	-	electric parking brake switch, 12 pin plug, pin 8
Horn Trigger	gray/yellow	+	VESCM 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		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	gray/yellow	- resistor	Driver Door Module, 32 pin plug, pin 19
Memory Seat 2	same as memory seat 1	- resistor	
Memory Seat 3	N/A		
Radio 12V	red/green, red/yellow, or red/purple	+	radio, black 16 pin plug, pin 15, or black 10 pin plug, pin 10
Radio Ground	brown	-	radio, black 16 pin plug, pin 12, or black 10 pin plug, pin 9
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(CAN bus)		
Power Antenna	N/A		
Left Front Speaker (+/-)	red/blue - brown/blue	+,-	radio, brown 8 pin plug, pins 3 and 7
Right Front Speaker (+/-)	red/yellow - brown/yellow	+,-	radio, brown 8 pin plug, pins 2 and 6
Left Rear Speaker (+/-)	red/purple - brown/purple	+,-	radio, brown 8 pin plug, pins 4 and 8
Right Rear Speaker (+/-)	white/green - blue/green	+,-	radio, brown 8 pin plug, pins 1 and 5
Center Channel (+/-)	blue/white - black/white	+,-	radio, black 10 pin plug, pins 2 and 6
Subwoofer (+/-)	white/yellow - brown/yellow	+,-	radio, black 10 pin plug, pins 1 and 5
Aux. Audio Input Left (+/-)	yellow - gray or brown	+,-	radio, blue 12 pin plug, pins 1 and 2
Aux. Audio Input Right (+/-)	green - gray or brown	+,-	radio, blue 12 pin plug, pins 7 and 2
RSE Video (+/-)	(coaxial cable)		
RSE Audio Left (+/-)	(MOST bus)		
RSE Audio Right (+/-)	(MOST bus)		
Satellite Radio 12 Volts	red/purple	+	Satellite Radio in trunk L side, 8 pin plug, pin 2
Satellite Radio Ground	brown	-	Satellite Radio in trunk L side, 8 pin plug, pin 1
Satellite Radio Ignition	(CAN bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	(MOST bus)		
Satellite Audio Right (+/-)	(MOST bus)		

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What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5	2.3	left front door
Left Front Tweeter	0.75	0.5	left front door (tweeter); front dash (midrange)
Right Front Speaker	6.5	2.3	right front door
Right Front Tweeter	0.75	0.5	right front door (tweeter); front dash (midrange)
Left Rear Speaker	6.5	2	left rear door
Left Rear Tweeter	0.75 (tweeter); 2.5 (surround)	1; 1.5	left rear door (twtr); rear deck or pillar (surr)
Right Rear Speaker	6.5	2	right rear door
Right Rear Tweeter	0.75 (tweeter); 2.5 (surround)	1; 1.5	right rear door (twtr); rear deck or pillar (surr)
Center Channel	2.5	1.5	top center of dash
Subwoofer	6	3	center of rear deck (sdn), spare tire well (wgn)
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			left side of trunk

Additional Wiring Notes

Item	Note
Center Channel (+/-)	On vehicles with amplifier, the speaker wire are blue/white - black/white at the amplifier in L side of trunk, 32 pin plug, pins 8 and 20 (standard amp), or 5 and 17 (premium amp).
Subwoofer (+/-)	On vehicles with amplifier, the speaker wire are white/yellow - brown/yellow or blue/yellow at the amplifier in L side of trunk, 32 pin plug, pins 3 and 15 (standard amp), or 25 and 30 (premium amp).
Left Front Speaker (+/-)	On vehicles with amplifier, the tweeter and midrange wires are red/blue - brown/blue at the amplifier in L side of trunk, 32 pin plug, pins 4 and 16 (standard amp), or 6 and 18 (premium amp). The woofer wires are red/blue - brown/blue at the amplifier, 32 pin plug, pins 23 and 28 (premium amp).
Right Front Speaker (+/-)	On vehicles with amplifier, the tweeter and midrange wires are red/yellow - brown/yellow at the amplifier in L side of trunk, 32 pin plug, pins 5 and 17 (standard amp), or 7 and 19 (premium amp). The woofer wires are red/yellow - brown/yellow at the amplifier, 32 pin plug, pins 10 and 22 (premium amp).
Left Rear Speaker (+/-)	On vehicles with amplifier, the speaker wires are red/purple - brown/purple at the amplifier in L side of trunk, 32 pin plug, pins 6 and 18 (standard amp), or 3 and 15 (premium amp). The surround wires are red/gray - brown/gray at the amplifier, 32 pin plug, pins 8 and 20 (premium amp).
Right Rear Speaker (+/-)	On vehicles with amplifier, the speaker wires are white/green - blue/green at the amplifier in L side of trunk, 32 pin plug, pins 7 and 19 (standard amp), or 4 and 16 (premium amp). The surround wires are red/gray - brown/gray at the amplifier, 32 pin plug, pins 9 and 21 (premium amp).
Turn Signal (Left)	The LR is black/blue, gray/black, or gray/white (+) at the Comfort System Module in R side of trunk, black 17 pin plug, pin 12, or brown 17 pin plug, pin 6.
Turn Signal (Right)	The RR is black/green, gray/white, or gray/blue (+) at the Comfort System Module in R side of trunk, brown 17 pin plug, pin 13 or 12.
Parking Lights (+)	The LR - RR are gray/black or gray - gray (+) at the Comfort System Module in R side of trunk, brown 17 pin plug, pin 11, and black 17 pin plug, pin 10.
Starter	For starter kill, can use red/green (+) at the Comfort System Module in R side of trunk, gray 32 pin plug, pin 5.