2009 Audi A6 - Requested by: ampire.de

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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/white (30A)	+	VESCM under driver dash, black 12 pin plug, pin 11
Ground	(chassis ground)		
Starter	red/black	-	Access/Start Control Module on column, black 20 pin plug, pin 4
Ignition	black/yellow	-	Access/Start Control Module on column, black 20 pin plug, pin 3
Second Ignition	black (for ignition sense only)	+	Access/Start Control Module on column, black 20 pin plug, pin 18
Accessory	red (for accessory sense only)	+	Access/Start Control Module on column, black 20 pin plug, pin 20
Data Bus	ignition switch and immobilizer interface needed for remote start		
CAN Bus High	orange/green	data	Access/Start Control Module on column, black 20 pin plug, pin 11
CAN Bus Low	orange/brown	data	Access/Start Control Module on column, black 20 pin plug, pin 1
IMMO Data	green/yellow	data	Access/Start Control Module on column, black 20 pin plug, pin 12
Power Lock	violet/red	- resistor	Driver Door Module, white 32 pin plug, pin 28
Power Unlock	(same as power lock)	- resistor	
Lock Motor	green	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
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); black/red (RF)	+	VESCM under driver dash, white 32 pin plug, pins 4, 15
Parking Lights -	(LIN bus)		

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Item	Wire Color	Polarity	Wire Location
Hazards	red/yellow	-	VESCM under driver dash, white 32 pin plug, pin 22
Turn Signal (Left)	gray/black (LF)	+	VESCM under driver dash, black 12 pin plug, pin 10
Turn Signal (Right)	black/yellow (RF)	+	VESCM under driver dash, black 12 pin plug, pin 9
Headlight	black/green (L); yellow/white (R)	+	VESCM under driver dash, black 10 pin plug, pins 10, 4
AutoLights	(LIN bus)		
Reverse Light	blue/yellow (sedan); blue/red (wagon)	+	Comfort System Mod, blue 32 pin plug, pin 3; brn 15 pin plug, pin 6
Left Front Door Trigger	gray/yellow	-	Driver Door Module, black 20 pin plug, pin 5
Right Front Door Trigger	gray/yellow	-	Passenger Door Module, black 20 pin plug, pin 5
Left Rear Door Trigger	gray/yellow	-	Left Rear Door Module, black 20 pin plug, pin 5
Right Rear Door Trigger	gray/yellow	-	Right Rear Door Module, black 20 pin plug, pin 5
Dome Light	brown/blue	-	Comfort System Module in R side of trunk, brown 15 pin plug, pin 14
Trunk/Hatch Pin	white/yellow	-	Comfort System Module in R side of trunk, blue 32 pin plug, pin 22
Hood Pin	brown/violet	-	VESCM under driver dash, white 32 pin plug, pin 21
Trunk/Hatch Release	red/green	-	Driver Door Module, white 32 pin plug, pin 23
Trunk Release Motor	green/gray	5 wire	Comfort System Module in R side of trunk, black 10 pin plug, pin 1
Fuel Door Release	gray/brown	-	Driver Door Module, white 32 pin plug, pin 22
Tachometer	green/black (3.2L); brown/red (3.0L)	ac	Camshaft Position Sensor, engine passenger side front, 3 pin plug, pin 2
Tachometer 2	brown/gray (4.2L)	ac	Camshaft Position Sensor, engine driver side, 3 pin plug, pin 2
Fuel Pump	red/yellow	+	driver kick, harness to rear

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Item	Wire Color	Polarity	Wire Location
Rear Defroster	red/brown	+ latched	Comfort System Module in R side of trunk, blue 32 pin plug, pin 6
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	black/blue	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	(wheel speed sensor)		
Brake Wire	red/black	+	brake switch, 4 pin plug, pin 3
Parking Brake	gray/yellow	-	electric parking brake switch, pin 3
Horn Trigger	black/white	+	VESCM under driver dash, white 32 pin plug, pin 17
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, white 32 pin plug, pin 19
Memory Seat 2	(same as memory seat 1)	- resistor	
Radio 12V	red/blue	+	radio, black 10 pin plug, pin 10
Radio Ground	brown	-	radio, black 10 pin plug, pin 9
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(CAN bus)		
Left Front Speaker (+/-)	wht/yel - brn/yel (lo); blk/yel - brn/red (mid/hi)	+,-	radio, black 10 pin plug, pins 2 - 6; brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	wht/blk - brn/blk (lo); blu/yel - brn/grn (mid/hi)	+,-	radio, black 10 pin plug, pins 1 - 5; brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	red/violet - brown/violet	+,-	radio, brown 8 pin plug, pins 4 - 8

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Item	Wire Color	Polarity	Wire Location
Right Rear Speaker (+/-)	white/green - blue/green	+,-	radio, brown 8 pin plug, pins 1 - 5
Center Channel (+/-)	blue - brown/blue (BOSE)	+,-	amplifier in L side of trunk, black 32 pin plug, pins 13 - 14
Subwoofer (+/-)	red/green - brown/green (BOSE)	+,-	amplifier in L side of trunk, black 32 pin plug, pins 12 - 11
Aux. Audio Input Left (+/-)	(MOST bus)		
Aux. Audio Input Right (+/-)	(MOST bus)		
Satellite Radio 12 Volts	(built into radio)		

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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; 2	left front door
Right Front Speaker	6.5	3	right front door
Right Front Tweeter	1 (tweeter); 3 (midrange)	1; 2	right front door
Left Rear Speaker	6.5	3	left rear door
Left Rear Tweeter	1 (tweeter); 3.5 (midrange)	1; 2	left rear door
Right Rear Speaker	6.5	3	right rear door
Right Rear Tweeter	1 (tweeter); 3.5 (midrange)	1; 2	right rear door
Center Channel	3	2	top center of dash
Subwoofer			top center of rear deck (sedan)
Satellite Radio Tuner	(built into radio)		

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Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with BOSE systems, the speaker wires are white/yellow - brown/yellow (low); black/yellow - brown/red (mid/high) at the amplifier in L side of trunk, black 32 pin plug, pins 5 - 17; 8 - 7.
Left Rear Speaker (+/-)	On models with BOSE systems, the speaker wires are red/purple - brown/purple at the amplifier in L side of trunk, black 32 pin plug, pins 22 - 21.
Parking Lights	The LR - RR are gray/black - gray/red (sedan); green/black - gray (wagon) (+) at the Comfort System Module in R side of trunk, brown 15 pin plug, pins 1 - 7.
Right Front Speaker (+/-)	On models with BOSE systems, the speaker wires are white/black - brown/black (low); blue/yellow - brown/green (mid/high) at the amplifier in L side of trunk, black 32 pin plug, pins 16 - 15; 4 - 3.
Right Rear Speaker (+/-)	On models with BOSE systems, the speaker wires are white/green - blue/green at the amplifier in L side of trunk, black 32 pin plug, pins 20 - 19.
Starter	For starter kill, you can use black/red (+) at the starter relay on driver dash 9 position relay panel.
Turn Signal (Left)	The LR is gray/white (sedan); red/white (wagon) (+) at the Comfort System Module in R side of trunk, brown 15 pin plug, pin 3.
Turn Signal (Right)	The RR is gray (sedan); black/white (wagon) (+) at the Comfort System Module in R side of trunk, brown 15 pin plug, pin 5.