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### ***Wiring Information***

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Yellow (30A)	+	VEBCM under driver dash, brown 17 pin plug, pin 16
Ground	(chassis ground)		
Starter Kill	Red/Black	+	Starter Relay in underhood fuse/relay box
Ignition Sense	Black/Blue	+	VEBCM under driver dash, black 32 pin plug, pin 16
PTS 1	Black	-	Start Stop Button, black 6 pin plug, pin 3
PTS 2	Black/Red	-	Start Stop Button, black 6 pin plug, pin 5
PTS 3	Blue	-	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/Yellow (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	Black/Blue	+	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	gray/green	5 wire	Driver Door Module, black 20 pin plug, pin 13
Driver Unlock Motor	brown/blue	5 wire	Driver Door Module, black 20 pin plug, pin 11

## 2016 Audi A7(SmartKey) - Requested by: ampire.de



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Item	Wire Color	Polarity	Wire Location
Passenger Unlock Motor	brown/blue	5 wire	Passenger Door Module, black 20 pin plug, pin 11
Factory Alarm Arm	blue (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	blue/red (LF); blue/red (RF)	+	VESCM under driver dash, red 17 pin plug, pin 12; brown 17 pin plug, pin 2
Parking Lights 2	blue/white (LR); gray (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	blue/white	-	VESCM under driver dash, gray 32 pin plug, pin 8
Turn Signal (Left)	black/blue (F); gray/yellow (R)	+	VESCM, brown 17 pin plug, pin 5; Comfort System Module, brown 17 pin plug, pin 5
Turn Signal (Right)	black/green (F); gray/white (R)	+	VESCM, red 17 pin plug, pin 10; Comfort System Module, black 17 pin plug, pin 11
Headlight	yellow/black (L); green/white (R)	+	VESCM under driver dash, brown 17 pin plug, pin 15; red 17 pin plug, pin 15
AutoLights	(LIN bus)		
Reverse Light	black/blue	+	Comfort System Module in R side of trunk, brown 17 pin plug, pin 14
Left Front Door Trigger	black/yellow	-	Driver Door Module, black 20 pin plug, pin 5
Right Front Door Trigger	gray/violet	-	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	blue (lowline only); (LIN bus on highline)	-	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

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Item	Wire Color	Polarity	Wire Location
Hood Pin	gray/yellow	-	VESCM under driver dash, black 32 pin plug, pin 3
Trunk/Hatch Release	red	-	Driver Door Module, blue 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)		
Tachometer	white/red	ac	Camshaft Position Sensor, engine driver side front, black 3 pin plug, pin 2
Fuel Pump	red/white	+	driver kick, harness to rear
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	(CAN bus)		
Right Front Heated Seat	(CAN bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Red/Black	+	Brake Switch, black 4 pin plug, pin 3
Parking Brake	white/blue	-	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)		
Memory Seat 1	gray/yellow	- resistor	Driver Door Module, blue 32 pin plug, pin 19
Memory Seat 2	(same as memory seat 1)	- resistor	
Radio 12V	red/black or red/gray	+	radio, 10 pin plug, pin 10
Radio Ground	brown or brown/white	-	radio, 10 pin plug, pin 9

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Item	Wire Color	Polarity	Wire Location
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(CAN bus)		
Left Front Speaker (+/-)	black/white - blue/white	+,-	radio, 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	black - blue/black	+,-	radio, 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	blue/yellow - brown/green	+,-	radio, 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	red/green - brown/green	+,-	radio, 8 pin plug, pins 1 - 5
Center Channel (+/-)	green/yellow - brown/blue	+,-	radio, 10 pin plug, pins 2 - 6
Subwoofer (+/-)	blue - brown/blue	+,-	radio, 10 pin plug, pins 1 - 5
Left Front Speaker - With Amp	gray - white (tweeter); white/black - blue/black (midrange); brown/white - brown/blue (woofer)	+,-	amplifier in left side of trunk, 38 pin plug, pins 10 - 22; 19 - 7; 16 - 4
Right Front Speaker - With Amp	black - gray (tweeter); brown/violet - violet (midrange); brown/red - brown/black (woofer)	+,-	amplifier in left side of trunk, 38 pin plug, pins 21 - 9; 8 - 20; 12 - 11
Left Rear Speaker - With Amp	blue/yellow - brown/green	+,-	amplifier in left side of trunk, 38 pin plug, pins 13 - 14
Right Rear Speaker - With Amp	red/green - brown/green	+,-	amplifier in left side of trunk, 38 pin plug, pins 3 - 15
Left Rear Surround - With Amp	violet - brown/violet	+,-	amplifier in left side of trunk, 38 pin plug, pins 34 - 33
Right Rear Surround - With Amp	black/white - brown/yellow	+,-	amplifier in left side of trunk, 38 pin plug, pins 37 - 38
Center Channel - With Amp	green/yellow - brown/blue	+,-	amplifier in left side of trunk, 38 pin plug, pins 31 - 32
Subwoofer - With Amp	brown/gray - brown/blue	+,-	amplifier in left side of trunk, 38 pin plug, pins 17 - 5
Aux. Audio Input Left (+/-)	yellow - gray or brown	+,-	radio, 12 pin plug, pins 2 - 1
Aux. Audio Input Right (+/-)	green - gray or 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
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