

2019 Audi A5 (Smart Key) - North America			
Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Gray (35A)	+	VESCM above driver kick, right black/white 73 pin plug, pin 1
Ground	(chassis ground)		
Starter Kill	Red/Black	+	Engine Compartment, passenger side rear, black 2 pin plug, pin 1
Ignition	Black/Violet	+	VESCM above driver kick, middle black 73 pin plug, pin 19
PTS 1	Brown/Red	-	Start Stop Button in center console, black 6 pin plug, pin 3
PTS 2	Yellow/Green	-	Start Stop Button in center console, black 6 pin plug, pin 6
PTS 3	White/Red	-	Start Stop Button in center console, black 6 pin plug, pin 5
CAN Bus High	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	Green	Data	VESCM above driver kick, right black/white 73 pin plug, pin 40
CAN Bus Low 2	Orange/Brown	Data	VESCM above driver kick, right black/white 73 pin plug, pin 41
OBD 12 Volts	Red (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	Yellow	+	OBD-Data Link Connector, black 16 pin plug, pin 1
IMMO Antenna	White	RF	Immobilizer Antenna in center console, behind shifter, black 2 pin plug, pin 1
Power Lock	Violet/Red	- Resistor	Driver Door Module, blue 32 pin plug, pin 28
Power Unlock	(same as power lock)	-	
Lock Motor	Blue/Brown	Reverse	Driver Door Module, white 20 pin plug, pin 13
Driver Unlock Motor	Brown/Violet or Brown/Green	Reverse	Driver Door Module, white 20 pin plug, pin 11
Passenger Unlock Motor	Brown/Green	Reverse	Passenger Door Module, white 20 pin plug, pin 11
Factory Alarm Arm	Violet/Yellow (key lock)	- Resistor	Driver Door Module, white 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	-	
Parking Lights	Green/Black or Gray/Blue (LR); Black/Green or Gray/Blue (RR)	+	CSM in trunk left side, black 17 pin plug, pin 4 (LR); brown 17 pin plug, pin 3 (RR)
Parking Lights 2	(LF/RF are CAN)		
Parking Lights -	(LIN)		
Hazards	Red	-	VESCM above driver kick, left black 54 pin plug, pin 31
Turn Signal (Left)	Black/Blue (LF w/o LED); Blue/Gray or Blue/Black (LR)	+	VESCM above driver kick, middle black 73 pin plug, pin 69 (LF); CSM in trunk left side, brown 17 pin plug, pin 4 (LR)
Turn Signal (Right)	Black/Green (RF w/o LED); Gray/Black or Blue/Gray or Black/Blue (RR)	+	VESCM above driver kick, right black/white 73 pin plug, pin 68 (RF); CSM in trunk left side, black 17 pin plug, pin 7 (RR)
Headlight	Yellow/Black (L); Yellow or Yellow/Red (R)	+	VESCM above driver kick, middle black 73 pin plug, pin 64 (L); right black/white 73 pin plug, pin 64 (R)
AutoLights	(LIN)		
Reverse Light	Black/Gray or Green/Black	+	CSM in trunk left side, black 17 pin plug, pin 3
Left Front Door Trigger	Brown/Green	-	Driver Door Module, white 20 pin plug, pin 5
Right Front Door Trigger	Brown/Gray	-	Passenger Door Module, white 20 pin plug, pin 5
Left Rear Door Trigger	Gray/Violet (Sportback models)	-	Left Rear Door Module, white 20 pin plug, pin 5

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Right Rear Door Trigger	Gray/Violet (Sportback models)	-	Right Rear Door Module, white 20 pin plug, pin 5
Dome Light	(LIN)		
Trunk/Hatch Pin	Yellow	-	CSM in trunk left side, blue 32 pin plug, pin 28
Hood Pin	Green/Red	-	VESCM above driver kick, middle black 73 pin plug, pin 31
Trunk/Hatch Release	Red/Green (door switch)	-	Driver Door Module, blue 32 pin plug, pin 23
Trunk-Hatch Release2	Brown/Yellow (rear handle switch)	-	CSM in trunk left side, blue 32 pin plug, pin 30
Trunk Release Motor	Green/Red	Reverse	CSM in trunk left side, black 20 pin plug, pin 11
Fuel Door Release	Blue/Red - Blue (lock/unlock)	Reverse	CSM in trunk left side, black 32 pin plug, pins 31 - 30
Tachometer	Red/Green	AC	Camshaft Position Sensor, engine passenger side top rear, black 3 pin plug, pin 2
Clutch Pedal	Blue/Gray	-	Clutch Pedal Switch in engine compartment, on driver firewall, black 6 pin plug, pin 3
Fuel Pump	Black/Yellow	+	Driver Kick, harness to rear --or-- Driver Kick Fuse Box, brown fuse holder, fuse 16
Rear Defroster	Green/Violet	+ Latched	CSM in trunk left side, black 32 pin plug, pin 32
Mirror Defroster	(CAN)		
Left Front Heated Seat	(CAN)		
Right Front Heated Seat	(CAN)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black	+	Driver Firewall, harness to engine compartment
Parking Brake	Green/Violet (EPB indicator)	-	Electric Parking Brake Button, red 10 pin plug, pin 8 or black 12 pin plug, pin 8
Horn Trigger	Violet/Red	Reverse	VESCM above driver kick, right black/white 73 pin plug, pin 5
Wipers	(LIN)		
All Windows Up-Down	(use factory alarm arm/disarm)		
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 in glove box, black 8 pin plug, pin 8
Radio Ground	Brown	-	Radio in glove box, black 8 pin plug, pin 7
Radio Ignition	(CAN)		
Factory Amp Turn-on	(MOST)		
Left Front Speaker (+/-)	Red/Green - Brown/Green	+,-	Radio in glove box, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	White - White/Black	+,-	Radio in glove box, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Green - Brown/Violet	+,-	Radio in glove box, brown 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Black - Blue/White	+,-	Radio in glove box, brown 8 pin plug, pins 1 - 5
Center Channel (+/-)	White/Blue - Brown/Blue	+,-	Radio in glove box, black 8 pin plug, pins 2 - 6
Subwoofer (+/-)	Gray/Red - Gray/Brown	+,-	Radio in glove box, black 8 pin plug, pins 1 - 5

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Left Front Speaker - With Amp	Brown/Yellow - Red/Yellow (low); White/Yellow - White/Blue (mid 2)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 8 - 7 (low); pins 25 - 33 (mid 2)
Right Front Speaker - With Amp	Yellow/Green - Blue/Green or Red/Green - Brown/Green (low); Green - Green/Black (mid 2)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 9 - 10 (low); pins 26 - 34 (mid 2)
Left Front Tweeter - With Amp	Red/Green - Brown/Green (mid/high); Blue - Yellow or Gray/Blue - Gray/Yellow (high 2)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 12 - 11 (mid/high); pins 31 - 23 (high 2)
Right Front Tweeter - With Amp	Red/Blue - Brown/Blue (mid/high); Red/Blue - Brown/Blue (high 2)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 14 - 13 (mid/high); pins 32 - 24 (high 2)
Left Rear Speaker - With Amp	Brown/Violet - Violet or Green - Brown/Violet	+,-	Amplifier in trunk left side, black 38 pin plug, pins 4 - 5
Right Rear Speaker - With Amp	Brown/Blue - Brown/Gray or Red/Blue - Brown/Blue	+,-	Amplifier in trunk left side, black 38 pin plug, pins 17 - 16
Left Rear Surround - With Amp	Yellow/Brown - Yellow/Red or Blue/Violet - Yellow/Violet	+,-	Amplifier in trunk left side, black 38 pin plug, pins 35 - 27
Right Rear Surround - With Amp	Violet/Yellow - Violet/Blue	+,-	Amplifier in trunk left side, black 38 pin plug, pins 36 - 28
Center Channel - With Amp	Red/Blue - Brown/Blue (high)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 3 - 15
Center Channel - With Amp 2	Red/Blue - White/Blue or Green/Black - Green (mid)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 18 - 6
Subwoofer - With Amp	Brown/Green - Red/Green (coil 1); Brown/Violet - Blue/Yellow (coil 2) (coupe, sportback)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 20 - 19 (coil 1); pins 21 - 22 (coil 2)
Subwoofer - With Amp 2	Black/White - Blue/White (right); Red/Green - Brown/Green (left) (convertible)	+,-	Amplifier in trunk left side, black 38 pin plug, pins 20 - 19 (right); pins 21 - 22 (left)
Aux. Audio Input Left (+/-)	Green - Gray	+,-	Radio in glove box, green 12 pin plug, pins 7 - 1
Aux. Audio Input Right (+/-)	Yellow - Gray	+,-	Radio in glove box, green 12 pin plug, pins 2 - 1
Rearview Camera Video	White - Black (w/o surround view camera)	+,-	Radio in glove box, blue 12 pin plug, pins 6 - 12

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