

2019 Audi A3 (Smart Key) - North America

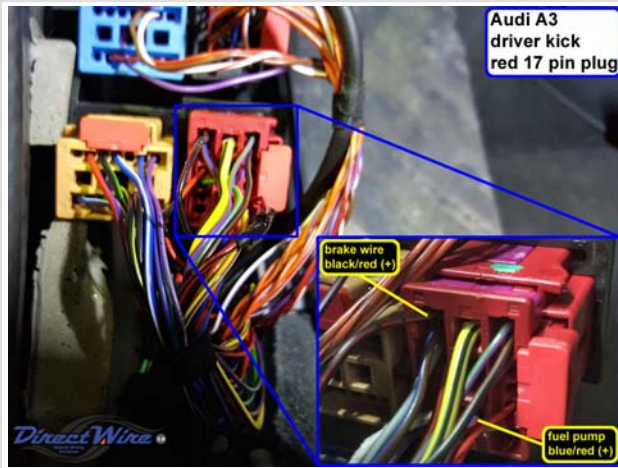
Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Gray (40A)	+	VESCM above driver kick, white 73 pin plug, pin 1
Ground	(chassis ground)		
Starter	Red/Black	+	Driver Kick, red 17 pin plug, pin 9
Ignition	Black/Red	+	VESCM above driver kick, black 73 pin plug, pin 47
Second Ignition	Yellow/Green	+	VESCM above driver kick, black 73 pin plug, pin 44
PTS 1	Blue/White	-	Start Stop Button, black 6 pin plug, pin 6
PTS 2	Blue/Yellow	-	Start Stop Button, black 6 pin plug, pin 3
Keysense	Yellow/Blue	+	VESCM above driver kick, black 73 pin plug, pin 54
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	Electronic Steering Column Lock Module, black 4 pin plug, pin 1
CAN Bus Low 2	Orange/Brown	Data	Electronic Steering Column Lock Module, black 4 pin plug, pin 2
OBD 12 Volts	Gray/Violet (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	Red/Blue	+	OBD-Data Link Connector, black 16 pin plug, pin 1
IMMO Antenna	Red	RF	Immobilizer Reader Coil in steering column, 2 pin plug, pin 1
Power Lock	Violet/Red	- Resistor	Driver Door Module, 32 pin plug, pin 28
Power Unlock	(same as power lock)	- Resistor	
Lock Motor	Brown/Yellow	Reverse	Driver Door Module, 20 pin plug, pin 13
Driver Unlock Motor	Yellow or Blue/Black	Reverse	Driver Door Module, 20 pin plug, pin 11
Passenger Unlock Motor	White or Blue/Black	Reverse	Passenger Door Module, 20 pin plug, pin 11
Factory Alarm Arm	Green/White (driver door key lock)	-	Driver Door Module, 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	-	
Parking Lights	Gray/Black (LF); Gray/Red (RF); Blue/White (LR); Red/Green or Brown/Red (RR)	+	VESCM above driver kick, white 46 pin plug, pins 10, 21; white 73 pin plug, pin 10; black 73 pin plug, pin 65
Parking Lights - Hazards	(LIN Bus) Violet/Red	-	VESCM above driver kick, white 73 pin plug, pin 42
Turn Signal (Left)	Black/White (F); Blue/Yellow (R)	+	VESCM above driver kick, white 46 pin plug, pin 36; black 73 pin plug, pin 60
Turn Signal (Right)	Black/Green (F); Violet/Brown (R)	+	VESCM above driver kick, white 46 pin plug, pin 20; white 73 pin plug, pin 31
Headlight	Yellow/Black (L); Yellow (R)	+	VESCM above driver kick, white 73 pin plug, pin 5; white 46 pin plug, pin 1
AutoLights	(LIN Bus)		
Reverse Light	Black/Blue	+	VESCM above driver kick, white 73 pin plug, pin 11
Left Front Door Trigger	Blue/White	-	Driver Door Module, 20 pin plug, pin 5
Right Front Door Trigger	Brown	-	Passenger Door Module, 20 pin plug, pin 5
Left Rear Door Trigger	Gray/Yellow (without ambient light); Green/White (with ambient light)	-	VESCM above driver kick, black 73 pin plug, pin 50; Left Rear Door Module, 20 pin plug, pin 5
Right Rear Door Trigger	Brown/Yellow (without ambient light); Green/White (with ambient light)	-	VESCM above driver kick, black 73 pin plug, pin 48; Right Rear Door Module, 20 pin plug, pin 5
Dome Light	Green		VESCM above driver kick, white 73 pin plug, pin 67
Trunk/Hatch Pin	White	-	VESCM above driver kick, black 73 pin plug, pin 52
Hood Pin	Green/Yellow	-	VESCM above driver kick, white 46 pin plug, pin 14
Trunk/Hatch Release	Gray/Green (rear handle switch)	-	VESCM above driver kick, black 73 pin plug, pin 32

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Trunk Release Motor	Black/Yellow	Reverse	VESCM above driver kick, black 73 pin plug, pin 9
Fuel Door Release	Green/White or Green/Black (fuel door lock/unlock)	Reverse	VESCM above driver kick, black 73 pin plug, pin 4 or 3
Tachometer	Blue/White	AC	Camshaft Position Sensor, engine driver side front, black 3 pin plug, pin 2
Fuel Pump	Blue/Red	+	Driver Kick, red 17 pin plug, pin 15
Rear Defroster	White/Violet	- Latched	VESCM above driver kick, white 73 pin plug, pin 24
Mirror Defroster	(CAN Bus)		
Left Front Heated Seat	(CAN Bus)		
Right Front Heated Seat	(CAN Bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/Red	+	VESCM above driver kick, white 73 pin plug, pin 58 or Driver Kick, red 17 pin plug, pin 7
Parking Brake	Blue/Violet (electric parking brake indicator)	-	Driver Kick, brown 17 pin plug, pin 9
Horn Trigger	Brown	-	VESCM above driver kick, white 46 pin plug, pin 24
Wipers	(LIN Bus)		
All Windows Up-Down	(use factory alarm arm/disarm)		
Sun Roof (Open/Close)	(use factory alarm arm/disarm)		
Convertible Top Open-Close	Green/Gray - Red/Gray (function with ignition on only)	-	Power Top Switch, 9 pin plug, pins 8 - 9
Radio 12V	Red/Yellow	+	Radio in glove box, 8 pin plug, pin 8
Radio Ground	Brown	-	Radio in glove box, 8 pin plug, pin 7
Radio Ignition	(Infotainment CAN Bus)		
Radio Illumination	(Infotainment CAN Bus)		
Factory Amp Turn-on	(MOST Bus)		
Left Front Speaker (+/-)	Gray - Gray/Black	+,-	Radio in glove box, 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	White - White/Black	+,-	Radio in glove box, 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Green - Green/Black	+,-	Radio in glove box, 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Violet - Violet/Black	+,-	Radio in glove box, 8 pin plug, pins 1 - 5
Center Channel (+/-)	Red/Blue - Brown/Blue	+,-	Radio in glove box, 8 pin plug, pins 2 - 6
Subwoofer (+/-)	White/Gray - Blue/Gray	+,-	Radio in glove box, 8 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Red/Blue - Brown/Blue (woofer); Red/Green - Brown/Green (midrange)	+,-	Amplifier under driver seat, 38 pin plug, pins 8 - 7 (woofer); pins 12 - 11 (midrange)
Right Front Speaker - With Amp	Red/Yellow - Brown/Yellow (woofer); Green/Yellow - Green/Blue (midrange)	+,-	Amplifier under driver seat, 38 pin plug, pins 9 - 10 (woofer); pins 14 - 13 (midrange)
Left Front Tweeter - With Amp	Gray/Black - Gray	+,-	Amplifier under driver seat, 38 pin plug, pins 24 - 32
Right Front Tweeter - With Amp	White/Black - White	+,-	Amplifier under driver seat, 38 pin plug, pins 23 - 31
Left Rear Speaker - With Amp	Green - Green/Black	+,-	Amplifier under driver seat, 38 pin plug, pins 4 - 5
Right Rear Speaker - With Amp	Violet - Violet/Black	+,-	Amplifier under driver seat, 38 pin plug, pins 17 - 16
Left Rear Tweeter - With Amp	Blue/Black - Black	+,-	Amplifier under driver seat, 38 pin plug, pins 33 - 25

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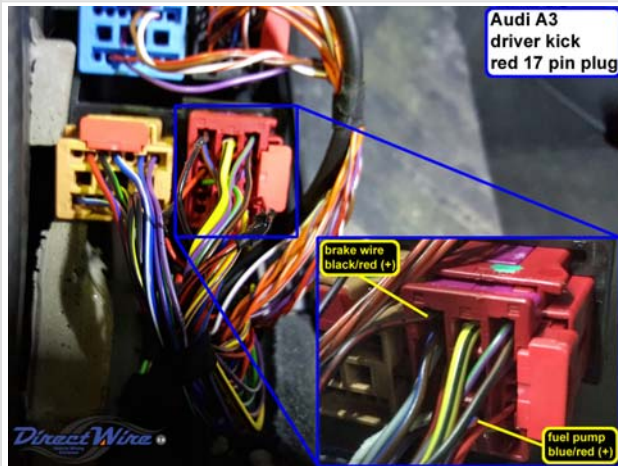
Item	Wire Color	Polarity	Wire Location
Right Rear Tweeter - With Amp	Blue/Black - Blue	+,-	Amplifier under driver seat, 38 pin plug, pins 34 - 26
Left Rear Surround - With Amp	Yellow - Blue/Yellow	+,-	Amplifier under driver seat, 38 pin plug, pins 36 - 28
Right Rear Surround - With Amp	White/Red - Blue/Red	+,-	Amplifier under driver seat, 38 pin plug, pins 35 - 27
Center Channel - With Amp	Red/Blue - Brown/Blue	+,-	Amplifier under driver seat, 38 pin plug, pins 18 - 6
Subwoofer - With Amp	Brown/White - Brown/Blue (coil 1); Blue/Gray - White/Gray (coil 2)	+,-	Amplifier under driver seat, 38 pin plug, pins 21 - 22 (coil 1); pins 20 - 19 (coil 2)
Aux. Audio Input Left (+/-)	Green - Gray or Brown	+,-	Radio in glove box, 12 pin plug, pins 7 - 1
Aux. Audio Input Right (+/-)	Yellow - Gray or Brown	+,-	Radio in glove box, 12 pin plug, pins 2 - 1

Wiring Photo and Notes: Fuel Pump



There are no notes for this wire.

Wiring Photo and Notes: Brake Wire



There are no notes for this wire.