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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (50A)	+	Dash Fuse Box, rear, brown 9 pin plug, pin 6
Ground	(chassis ground)		
Starter Kill	White/Red	+	Relay Holder behind dash fuse box, black 44 pin plug, pin 1
Starter	Brown	+	Keyless Access Module right of BIU, white 18 pin plug, pin 7
Ignition	Violet	+	Keyless Access Module right of BIU, white 30 pin plug, pin 6
Second Ignition	Tan	+	Keyless Access Module right of BIU, white 18 pin plug, pin 9
Accessory	Violet	+	Keyless Access Module right of BIU, white 30 pin plug, pin 4
PTS 1	Green	-	Keyless Access Module right of BIU, white 30 pin plug, pin 30
PTS 2	White	-	Keyless Access Module right of BIU, white 30 pin plug, pin 28
CAN Bus High	Red (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 6
CAN Bus Low	Blue (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 14
CAN Bus High 2	White	Data	Keyless Access Module right of BIU, white 30 pin plug, pin 14
CAN Bus Low 2	Red	Data	Keyless Access Module right of BIU, white 30 pin plug, pin 15
CAN Bus High 3	Red	Data	BIU behind dash fuse box, white 35 pin plug (B), pin 20
CAN Bus Low 3	Blue	Data	BIU behind dash fuse box, white 35 pin plug (B), pin 28
OBD 12 Volts	Green (7.5A)	+	OBD-Data Link Connector, white 16 pin plug, pin 16
OBD Ground	Black/Green or Black	-	OBD-Data Link Connector, white 16 pin plug, pin 4

2018 Subaru Forester(SmartKey) - Requested by: ampire.de



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Item	Wire Color	Polarity	Wire Location
OBD Ignition	Pink	+	OBD-Data Link Connector, white 16 pin plug, pin 8
OBD Connector	White		Under Driver Dash, Behind Dash Fuse Box
IMMO Data	White/Blue (non-turbo)	Data	ECM behind glove box, gray 65 pin plug, pin 38
IMMO Data 2	Green/Black (turbo)	Data	ECM on passenger fender, black 48 pin plug, pin 43
IMMO Data 3	Yellow (USA alternate)	Data	Keyless Access Module right of BIU, white 18 pin plug, pin 13
Security Light	Brown/Red	-	BIU behind dash fuse box, white 31 pin plug (D), pin 26
Keyless Data	White	Data	Keyless Access Module right of BIU, white 28 pin plug, pin 17
Power Lock	lt. blue	-	BIU behind dash fuse box, white 35 pin plug (C), pin 9
Power Unlock	blue/black	-	BIU behind dash fuse box, white 35 pin plug (C), pin 20
Power Lock2	lt. blue (alternate location)	-	driver kick, white 28 pin plug, pin 20
Power Unlock2	blue/black (alternate location)	-	driver kick, white 28 pin plug, pin 21
Lock Motor	white	reverse	driver kick, white 28 pin plug, pin 17
Driver Unlock Motor	red/green	reverse	driver kick, white 28 pin plug, pin 18
Passenger Unlock Motor	yellow to lt. green	reverse	driver kick, white 19 pin plug, pin 7
Factory Alarm Arm	(arms on lock with door open)		
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	lt. blue	+	dash fuse box, white 20 pin plug, pin 12
Parking Lights -	lt. green	-	BIU behind dash fuse box, white 35 pin plug (B), pin 17
Parking Lights NEG 2	lt. green (alternate location)	-	Headlight Switch, white 20 pin plug, pin 18
Hazards	pink	-	BIU behind dash fuse box, white 31 pin plug (D), pin 18



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Turn Signal (Left)	white/red	+	dash fuse box, white 20 pin plug, pin 20
Turn Signal (Right)	green	+	dash fuse box, white 20 pin plug, pin 3
Headlight	white/green	-	BIU behind dash fuse box, white 35 pin plug (B), pin 34
AutoLights	pink	cut	BIU behind dash fuse box, white 35 pin plug (B), pin 16
Reverse Light	brown/yellow	+	driver kick, white 14 pin plug, pin 14
Left Front Door Trigger	blue to white	-	driver kick, white 19 pin plug, pin 10
Left Front Door Trigger 2	white (alternate location)	-	BIU behind dash fuse box, white 35 pin plug (C), pin 14
Right Front Door Trigger	brown/black	-	BIU behind dash fuse box, white 35 pin plug (C), pin 13
Left Rear Door Trigger	green	-	BIU behind dash fuse box, white 35 pin plug (C), pin 24
Right Rear Door Trigger	tan	-	BIU behind dash fuse box, white 35 pin plug (C), pin 25
Dome Light	brown	-	BIU behind dash fuse box, white 35 pin plug (C), pin 4
Trunk/Hatch Pin	brown	-	BIU behind dash fuse box, white 35 pin plug (C), pin 33
Hood Pin	green (with remote start)	-	Remote Start Module Connector above brake pedal, white 8 pin plug, pin 5
Power Liftgate	brown	+	power liftgate switch, white 6 pin plug, pin 1
Trunk/Hatch Release	blue (rear handle switch)	-	BIU behind dash fuse box, white 35 pin plug (C), pin 10
Trunk Release Motor	black (w/o power liftgate)	reverse	BIU behind dash fuse box, white 31 pin plug (D), pin 7
Tachometer	red	ac	Keyless Access Module right of BIU, white 18 pin plug, pin 17
Fuel Pump	red/black	+	passenger kick, white 14 pin plug, pin 4

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Item	Wire Color	Polarity	Wire Location
Rear Defroster	tan	- latched	BIU behind dash fuse box, white 34 pin plug (A), pin 26
Mirror Defroster	(same as rear defroster)		
Wiper Deicer	blue	- latched	BIU behind dash fuse box, white 31 pin plug (D), pin 9
Left Front Heated Seat	red (LO)	reverse	left seat heater switch, white 6 pin plug, pin 5
Right Front Heated Seat	blue (LO)	reverse	right seat heater switch, brown 6 pin plug, pin 5
Speed Sense	pink/green	ac	radio, white 28 pin plug, pin 17
Brake Wire	lt. green	+	Keyless Access Module right of BIU, white 18 pin plug, pin 18
Parking Brake	gray	-	dash fuse box, white 20 pin plug, pin 13
Horn Trigger	blue	-	BIU behind dash fuse box, white 34 pin plug (A), pin 24
Horn Trigger 2	blue (alternate location)	-	horn switch, white 14 pin plug, pin 9
Wipers	red/blue (LO); black/blue (HI)	+	wiper switch, white 10 pin plug, pin 3 (LO); pin 4 (HI)
Wipers Protection	green/black (ignition)	cut	wiper switch, white 10 pin plug, pin 2
Left Front Window (Up/Down)	blue/red - lt. green/red	A	power window main switch, white 3 pin plug, pins 3 - 1
Right Front Window (Up/Down)	red - red/yellow (w/o auto-reverse); blue/red - lt. green/red (with auto-reverse)	A	driver kick, white 28 pin plug, pins 5 - 6 (w/o auto-reverse); passenger window switch, white 12 pin plug, pins 2 - 3 (with auto-reverse)
Left Rear Window (Up/Down)	green/red - black/yellow	A	driver kick, white 28 pin plug, pins 9 - 10
Right Rear Window (Up/Down)	blue - blue/yellow	A	driver kick, white 28 pin plug, pins 3 - 4
Sun Roof (Open/Close)	white - blue (function with ignition on only)	+	sunroof switch, white 5 pin plug, pins 1 - 4
Memory Seat 1	red	-	driver kick, white 28 pin plug, pin 22
Memory Seat 2	green/white	-	driver kick, white 28 pin plug, pin 28
Radio 12V	blue/red	+	radio, white 10 pin plug, pin 4

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Radio Ground	black/blue	-	radio, white 10 pin plug, pin 7
Radio Ignition	yellow/red	+	radio, white 10 pin plug, pin 3
Radio Illumination	violet (parking lights); white (dimmer)	+,-	radio, white 10 pin plug, pin 10 (parking lights); white 6 pin plug, pin 5 (dimmer)
Power Antenna	yellow	+	radio, white 10 pin plug, pin 8
Left Front Speaker (+/-)	red - white or black - green	+,-	radio, white 10 pin plug, pins 2 - 6
Right Front Speaker (+/-)	brown - green or red - white	+,-	radio, white 10 pin plug, pins 1 - 5
Left Rear Speaker (+/-)	white - red or black - white	+,-	radio, white 6 pin plug, pins 2 - 6
Right Rear Speaker (+/-)	green - red	+,-	radio, white 6 pin plug, pins 1 - 3
Left Front Speaker - With Amp	blue/white - green	+,-	amplifier under driver seat, white 10 pin plug, pins 10 - 4
Right Front Speaker - With Amp	blue - pink	+,-	amplifier under driver seat, white 10 pin plug, pins 3 - 9
Left Front Tweeter - With Amp	green/yellow - violet	+,-	amplifier under driver seat, white 10 pin plug, pins 2 - 6
Right Front Tweeter - With Amp	yellow - lt. green	+,-	amplifier under driver seat, white 10 pin plug, pins 8 - 7
Left Rear Speaker - With Amp	green - brown	+,-	amplifier under driver seat, white 12 pin plug, pins 12 - 5
Right Rear Speaker - With Amp	white/red - black/red	+,-	amplifier under driver seat, white 12 pin plug, pins 10 - 4
Left Rear Tweeter - With Amp	white/blue - black/blue	+,-	amplifier under driver seat, white 12 pin plug, pins 3 - 9
Right Rear Tweeter - With Amp	yellow - black	+,-	amplifier under driver seat, white 12 pin plug, pins 1 - 2
Aux. Audio Input Left (+/-)	white - (shield)	+,-	radio, white 28 pin plug, pins 28 - 27
Aux. Audio Input Right (+/-)	black - (shield)	+,-	radio, white 28 pin plug, pins 26 - 27
Rearview Camera Video	black - (shield)	+,-	radio, white 28 pin plug, pins 12 - 13 or white 5 pin plug, pins 3 - 4



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What Fits

Item	Size	Depth	Location
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