2017 BMW 2Series(F22)EU - Requested by: ampire.de

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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Blue (40A)	+	FEM in passenger kick, black 54 pin plug (3B), pin 33
Ground	(chassis ground)		
Starter Kill	Black	+	FEM in passenger kick, black 42 pin plug (2B), pin 1
Ignition Sense	Green/Gray	+	FEM in passenger kick, black 54 pin plug (3B), pin 20
Ignition Immobilization	Green/Yellow	+	FEM in passenger kick, black 54 pin plug (3B), pin 2
PTS 1	Green/Yellow or Black/White	- Resistor	FEM in passenger kick, white 54 pin plug (7B), pin 45
PTS 2	White/Violet or Black/White	- Resistor	FEM in passenger kick, white 54 pin plug (7B), pin 49
CAN Bus High	Yellow/Red (K CAN)	Data	FEM in passenger kick, black 54 pin plug (8B), pin 50
CAN Bus Low	Yellow/Brown (K CAN)	Data	FEM in passenger kick, black 54 pin plug (8B), pin 49
CAN Bus High 2	Gray (DIAG CAN)	Data	FEM in passenger kick, black 54 pin plug (8B), pin 46
CAN Bus Low 2	Blue (DIAG CAN)	Data	FEM in passenger kick, black 54 pin plug (8B), pin 45
CAN Bus High 3	Gray (DIAG CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 6
CAN Bus Low 3	Blue (DIAG CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 14
OBD 12 Volts	Red/Blue or Red (7.5A)	+	OBD-Data Link Connector, 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, 16 pin plug, pin 4
IMMO Antenna	(immobilizer antenna ring is in steering column)		
Keyless Data	White/Blue (LIN Bus)	Data	FEM in passenger kick, white 54 pin plug (4B), pin 15

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Item	Wire Color	Polarity	Wire Location
Power Lock	Yellow/Brown or Yellow/Blue (center dash switch)	-	FEM in passenger kick, white 54 pin plug (7B), pin 27
Power Unlock	(same as power lock)		
Lock Motor	White or Black	Reverse	FEM in passenger kick, white 54 pin plug (4B), pin 30 or 20
Driver Unlock Motor	Yellow/Green	Reverse	FEM in passenger kick, white 54 pin plug (4B), pin 29
Passenger Unlock Motor	Blue	Reverse	FEM in passenger kick, white 54 pin plug (4B), pin 28
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	Black/Green (LF); Black/Blue (RF)	+	FEM in passenger kick, black 54 pin plug (3B), pins 51, 39
Parking Lights 2	Gray/Violet (LR); Gray/Black (RR)	+	REM in trunk right side, black 26 pin plug (12B), pin 12; black 54 pin plug (14B), pin 24
Parking Lights -	(LIN Bus)		
Hazards	Brown/Blue or Blue	-	FEM in passenger kick, white 54 pin plug (7B), pin 31
Turn Signal (Left)	Blue/Green (LF); Black/White (LR)	+	FEM in passenger kick, black 54 pin plug (3B), pin 48; REM in trunk right side, black 26 pin plug (12B), pin 17
Turn Signal (Right)	Blue/Brown or Blue (RF); Black/Gray (RR)	+	FEM in passenger kick, black 54 pin plug (3B), pin 36; REM in trunk right side, black 54 pin plug (14B), pin 12
Headlight	Yellow/Green (L); Yellow/Blue (R)	+	FEM in passenger kick, black 54 pin plug (3B), pin 35; black 42 pin plug (2B), pin 25
AutoLights	(LIN Bus)		
Reverse Light	Gray/Blue	+	REM in trunk right side, black 54 pin plug (14B), pin 13
Left Front Door Trigger	Gray/White or Gray	-	FEM in passenger kick, black 42 pin plug (2B), pin 30
Right Front Door Trigger	Brown/Yellow or Yellow/Blue	-	FEM in passenger kick, black 42 pin plug (2B), pin 31

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Item	Wire Color	Polarity	Wire Location
Dome Light	Red/Brown (footwell light)	+	FEM in passenger kick, blue 54 pin plug (9B), pin 54
Trunk/Hatch Pin	Brown/Green or Brown/Orange	-	REM in trunk right side, white 26 pin plug (13B), pin 26
Hood Pin	Violet/Red or White	-	FEM in passenger kick, black 42 pin plug (2B), pin 40
Trunk/Hatch Release	Green/Black	-	Release Switch --or-- FEM in passenger kick, black 42 pin plug (2B), pin 37
Trunk Release Motor	Gray/Green	Reverse	REM in trunk right side, white 26 pin plug (13B), pin 19
Fuel Door Release	Violet/Red (unlock only)	Reverse	FEM in passenger kick, white 54 pin plug (4B), pin 45
Tachometer	Black/Red	ac	OBD-Data Link Connector, 16 pin plug, pin 9
Clutch Pedal	Blue/Brown or White/Green		FEM in passenger kick, black 54 pin plug (3B), pin 23
Fuel Pump	Red/Green	+	Rear Fuse Holder in trunk right side, plug (11B), pin 2
Rear Defroster	Red	+ Latched	REM in trunk right side, black 26 pin plug (12B), pin 26
Mirror Defroster	(LIN Bus)		
Left Front Heated Seat	(LIN Bus or K CAN)		
Right Front Heated Seat	(LIN Bus or K CAN)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Brown/Gray	+	FEM in passenger kick, black 54 pin plug (3B), pin 16
Brake Activation	Blue/Red or Yellow/Blue	-	Brake Switch --or-- FEM in passenger kick, black 54 pin plug (3B), pin 22
Parking Brake	Yellow/Blue	-	Parking Brake Switch --or-- FEM in passenger kick, black 54 pin plug (3B), pin 10
Horn Trigger	Violet/Blue or Violet/White (LO); Violet/Blue (HI)	+	FEM in passenger kick, black 42 pin plug (2B), pins 2, 3

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Item	Wire Color	Polarity	Wire Location
Wipers	Red/Green (LO); Red/Yellow (HI)	+	FEM in passenger kick, black 42 pin plug (2B), pins 22, 23
Left Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Right Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	Green - Blue	Reverse	Overhead Console, plug (3B), pins 3 - 4
Convertible Top Open-Close	Gray/Yellow - Gray/Blue	-	Convertible Top Switch, 6 pin plug, pins 4 - 5
Radio 12V	Red/Yellow	+	Radio, 40 pin plug, pin 15
Radio Ground	Brown	-	Radio, 40 pin plug, pin 12
Radio Ignition	(K CAN)		
Radio Illumination	Gray/Red (dimmer)	+	Radio, 40 pin plug, pin 14
Factory Amp Turn-on	(same as power antenna)		
Power Antenna	Black	+	Radio, 40 pin plug, pin 13
Left Front Speaker (+/-)	Black/Red - Black/Brown or Yellow/Red - Yellow/Brown	+,-	Radio, 40 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Blue/Red - Blue/Brown or Violet/Red - Violet/Brown	+,-	Radio, 40 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	White/Red - White/Brown or Brown/Blue - Brown/Red	+,-	Radio, 40 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Yellow/Red - Yellow/Brown or Green/Brown - Green/Red	+,-	Radio, 40 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Black/Red - Black/Brown (woofer); Black/Red - Black/Brown (tweeter/midrange)	+,-	Amplifier in trunk left side, 42 pin plug, pins 4 - 3; 33 - 34
Right Front Speaker - With Amp	Blue/Red - Blue/Brown (woofer); Blue/Red - Blue/Brown (tweeter/midrange)	+,-	Amplifier in trunk left side, 42 pin plug, pins 23 - 22; 11 - 12
Left Rear Speaker - With Amp	White/Red - White/Brown	+,-	Amplifier in trunk left side, 42 pin plug, pins 32 - 31
Right Rear Speaker - With Amp	Yellow/Red - Yellow/Brown	+,-	Amplifier in trunk left side, 42 pin plug, pins 13 - 21
Center Channel - With Amp	Black/White - Black/Violet	+,-	Amplifier in trunk left side, 42 pin plug, pins 39 - 40
Aux. Audio Input Left (+/-)	White/Red - Violet or Gray - Brown	+,-	Radio, 40 pin plug, pins 30 - 36
Aux. Audio Input Right (+/-)	White/Green - Violet or Blue - Brown	+,-	Radio, 40 pin plug, pins 35 - 36
RSE Video (+/-)	White - (shield) (DVD changer)	+,-	Radio, 40 pin plug, pins 24 - 23
RSE Audio Left (+/-)	(MOST bus)		
RSE Audio Right (+/-)	(MOST bus)		

What Fits

Item	Size	Depth	Location