

2019 BMW 5SeriesHybrid(G30) - Requested by: ampire.de


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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (40A)	+	BDC in passenger kick, black 54 pin plug (3B), pin 33
Ground	(chassis ground)		
Starter Kill	Black	+	BDC in passenger kick, black 42 pin plug (2B), pin 1
Ignition Sense	Green or Yellow	+	BDC in passenger kick, black 54 pin plug (3B), pin 1
Ignition Immobilization	Orange	+	BDC in passenger kick, black 54 pin plug (3B), pin 2
PTS 1	Green	-	BDC in passenger kick, white 54 pin plug (7B), pin 45
PTS 2	White/Blue	-	BDC in passenger kick, white 54 pin plug (7B), pin 49
CAN Bus High	Yellow/Red (K CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 49
CAN Bus Low	Yellow/Brown (K CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 50
CAN Bus High 2	Gray/Green (DIAG CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 46
CAN Bus Low 2	Blue/Yellow (DIAG CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 45
CAN Bus High 3	Gray/Green (DIAG CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 6
CAN Bus Low 3	Blue/Yellow (DIAG CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 14
OBD 12 Volts	Red/Black (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	Black	RF	BDC in passenger kick, white 54 pin plug (7B), pin 53

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IMMO Antenna 2	Gray	RF	BDC in passenger kick, white 54 pin plug (7B), pin 54
Power Lock	Gray/Blue	MUX	BDC in passenger kick, black 42 pin plug (2B), pin 28
Power Unlock	(same as power lock)		
Lock Motor	Violet or Black	Reverse	BDC in passenger kick, white 54 pin plug (4B), pin 30 or 20
Driver Unlock Motor	Orange	Reverse	BDC in passenger kick, white 54 pin plug (4B), pin 29
Passenger Unlock Motor	Yellow/White	Reverse	BDC 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	(K CAN - Front); Gray/Violet (LR); Gray/Yellow (RR)	+	BDC in passenger kick, gray 42 pin plug (5B), pin 42 (LR); black 54 pin plug (3B), pin 42 (RR)
Parking Lights -	(LIN)		
Hazards	Brown/Blue	-	BDC in passenger kick, white 54 pin plug (7B), pin 31
Turn Signal (Left)	Blue/Green (LF); Blue/Green (LR)	+	BDC in passenger kick, black 54 pin plug (3B), pin 48 (LF); gray 42 pin plug (5B), pin 19 (LR)
Turn Signal (Right)	Blue/Green (RF); Blue/Brown (RR)	+	BDC in passenger kick, black 54 pin plug (3B), pin 36 (RF); gray 42 pin plug (5B), pin 11 (RR)
Headlight	(K CAN)		
AutoLights	(LIN)		
Reverse Light	Yellow/Brown	+	BDC in passenger kick, gray 42 pin plug (5B), pin 21
Left Front Door Trigger	Violet/Blue	-	BDC in passenger kick, black 42 pin plug (2B), pin 30
Right Front Door Trigger	Orange	-	BDC in passenger kick, black 42 pin plug (2B), pin 31
Left Rear Door Trigger	Gray/Yellow	-	BDC in passenger kick, black 42 pin plug (2B), pin 38

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Right Rear Door Trigger	Green/Yellow	-	BDC in passenger kick, black 42 pin plug (2B), pin 39
Dome Light	Red/Violet (front footwell); Red/White (rear footwell)	+	BDC in passenger kick, blue 54 pin plug (9B), pin 54 (front footwell); pin 53 (rear footwell)
Trunk/Hatch Pin	Gray/Brown	- N.C.	BDC in passenger kick, violet 54 pin plug (6B), pin 8
Hood Pin	Violet/Green	-	BDC in passenger kick, black 42 pin plug (2B), pin 40
Trunk/Hatch Release	Gray/Yellow (rear handle switch)	-	BDC in passenger kick, violet 54 pin plug (6B), pin 7
Trunk Release Motor	Gray/Green	Reverse	BDC in passenger kick, violet 54 pin plug (6B), pin 6
Fuel Door Release	White/Blue - White/Red (lock/unlock)	Reverse	BDC in passenger kick, white 54 pin plug (4B), pins 16, 45
Tachometer	Black	AC	OBD-Data Link Connector, 16 pin plug, pin 9
Fuel Pump	Green	+	Rear Power Distribution Box, plug (3B), pin 11 (Fuse 204)
Rear Defroster	Red	+ Latched	Rear Power Distribution Box, plug (7B), pin 10 (Fuse 231)
Mirror Defroster	(LIN)		
Left Front Heated Seat	(LIN or K CAN)		
Right Front Heated Seat	(LIN or K CAN)		
Heated Steering Wheel	(inside steering wheel)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black	+	BDC in passenger kick, gray 42 pin plug (5B), pin 32
Brake Activation	Blue/Red	-	BDC in passenger kick, black 54 pin plug (3B), pin 22
Parking Brake	(LIN - electric parking brake)		
Horn Trigger	Red/Brown	+	BDC in passenger kick, black 42 pin plug (2B), pin 2

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Horn - Factory Alarm	(LIN - siren)		
Wipers	(LIN)		
All Windows Up-Down	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	(not recommended because of factory auto open/close)		
Memory Seat 1	(LIN)		
Memory Seat 2	(LIN)		
Radio 12V	Red/White	+	Radio, 40 pin plug, pin 15
Radio Ground	Brown	-	Radio, 40 pin plug, pin 12
Radio Ignition	(K CAN)		
Factory Amp Turn-on	Black/White (ASD, HiFi); (MOST - Top HiFi)	+	Radio, 40 pin plug, pin 13 (ASD, HiFi)
Left Front Speaker (+/-)	Violet/Yellow - Black/Green or Black/Red - Black/Brown or Yellow/Red - Yellow/Brown	+,-	Radio, 40 pin plug, pins 3 - 7
Right Front Speaker (+/-)	White/Black - Blue/Black or Blue/Red - Blue/Brown or Violet/Red - Violet/Brown	+,-	Radio, 40 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Violet - White or White/Red - White/Brown or Brown/Red - Brown/Blue	+,-	Radio, 40 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Orange - Black or Gray/Red - Gray/Brown or Green/Red - Green/Brown	+,-	Radio, 40 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Black/Red - Black/Brown	+,-	ASD Module or Amplifier in trunk left side, 42 pin plug, pins 4 - 3 (ASD, HiFi); 20 pin plug, pins 8 - 18 (Top HiFi)
Right Front Speaker - With Amp	Blue/Red - Blue/Brown	+,-	ASD Module or Amplifier in trunk left side, 42 pin plug, pins 23 - 22 (ASD, HiFi); 20 pin plug, pins 6 - 16 (Top HiFi)
Left Front Tweeter - With Amp	Black/Red - Black/Brown	+,-	Amplifier in trunk left side, 42 pin plug, pins 33 - 34 (HiFi); 20 pin plug, pins 19 - 9 (Top HiFi)
Right Front Tweeter - With Amp	Blue/Red - Blue/Brown	+,-	Amplifier in trunk left side, 42 pin plug, pins 11 - 12 (HiFi); 20 pin plug, pins 17 - 7 (Top HiFi)
Left Rear Speaker - With Amp	White/Red - White/Brown	+,-	ASD Module or Amplifier in trunk left side, 42 pin plug, pins 31 - 32 (ASD, HiFi); 20 pin plug, pins 14 - 4 (Top HiFi)

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Right Rear Speaker - With Amp	Gray/Red - Gray/Brown or Yellow/Red - Yellow/Brown	+, -	ASD Module or Amplifier in trunk left side, 42 pin plug, pins 13 - 21 (ASD, HiFi); 20 pin plug, pins 13 - 3 (Top HiFi)
Left Rear Surround - With Amp	Yellow/Red - Yellow/Brown	+, -	Amplifier in trunk left side, 20 pin plug, pins 1 - 11 (Top HiFi)
Right Rear Surround - With Amp	Violet/Red - Violet/Brown	+, -	Amplifier in trunk left side, 20 pin plug, pins 12 - 2 (Top HiFi)
Center Channel - With Amp	Black/White - Black/Violet	+, -	Amplifier in trunk left side, 42 pin plug, pins 39 - 40 (HiFi); 20 pin plug, pins 5 - 15 (Top HiFi)
Center Channel - With Amp 2	Black/Red - Black/Green (tweeter, Premium Top HiFi)	+, -	Amplifier in trunk left side, 20 pin plug, pins 20 - 10 (tweeter, Premium Top HiFi)



What Fits

Item	Size	Depth	Location
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