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### Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/green (30A)	+	Car Access System under driver dash, 41 pin plug, pin 21
Ground	(chassis ground)		
Starter	black (for starter kill only)	+	Car Access System under driver dash, 41 pin plug, pin 22
Ignition	green/gray (for ignition sense only)	+ low curr	Car Access System under driver dash, 41 pin plug, pin 8
Data Bus	IMMOBILIZER AND IGNITION INTERFACE REQUIRED FOR RS		
CAN Bus High	black (K CAN)	data	Car Access System under driver dash, 41 pin plug, pin 35
CAN Bus Low	yellow (K CAN)	data	Car Access System under driver dash, 41 pin plug, pin 26
Power Lock	yellow/red (center dash switch)	-	Car Access System under driver dash, 41 pin plug, pin 29
Power Unlock	(same as power lock)		
Lock Motor	white/brown or black/yellow	5 wire	Body Gateway Mod behind glove box, 51P plg (X16759), pin 32, 51
Driver Unlock Motor	blue/yellow	5 wire	Body Gateway Mod behind glove box, 51 pin plug (X16759), pin 19
Passenger Unlock Motor	blue/yellow	5 wire	Body Gateway Mod behind glove box, 51 pin plug (X16760), pin 32
Factory Alarm Arm	blue/red (driver door key lock)	-	Body Gateway Mod behind glove box, 51 pin plug (X16759), pin 28
Factory Alarm Disarm	white/green (driver door key unlock)	double -	Body Gateway Mod behind glove box, 51 pin plug (X16759), pin 15
Disarm No Unlock	(transponder and push-button start)		
Parking Lights	gray/green or yellow/green (LF), yellow/green (RF)	+	Light Module above driver kick, 76 pin plug, pins 63, 11
Parking Lights -	black (interrupt to turn on parking lights)	-	Light Module above driver kick, 76 pin plug, pin 36
Hazards	brown/blue	-	Light Module above driver kick, 76 pin plug, pin 52

## 2008 BMW 5Series(E60/E61) - Requested by: amfire.de



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Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	blue/green (F), blue/brown/yellow (R)	+	Light Module above driver kick, 76 pin plug, pins 68, 4
Turn Signal (Right)	blue/brown (F), blue/brown (R)	+	Light Module above driver kick, 76 pin plug, pins 24, 61
Headlight	yellow/green (L), yellow/blue (R)	+	Light Module above driver kick, 76 pin plug, pins 53, 15
Reverse Light	white/yellow	+	Light Module above driver kick, 76 pin plug, pin 41
Left Front Door Trigger	yellow/blue	-	Body Gateway Mod behind glove box, 51 pin plug (X16759), pin 29
Right Front Door Trigger	yellow/blue	-	Body Gateway Module, 51 pin plug (X16760), pin 42
Left Rear Door Trigger	yellow/black	-	Body Basic Mod bhnd glove box, 54 pin plug, pin 12
Right Rear Door Trigger	yellow/brown	-	Body Basic Mod bhnd glove box, 54 pin plug, pin 28
Dome Light	red/blue	+	Body Basic Module behind glove box, 54 pin plug, pin 52
Trunk/Hatch Pin	gray/brown	- N.C.	Body Basic Module behind glove box, 54 pin plug, pin 16
Rear Glass Pin	white/red (wagon)	- N.C.	Body Basic Mod bhnd glove box, 54 pin plug, pin 4
Hood Pin	violet/green	-	Car Access System under driver dash, 41 pin plug, pin 38
Trunk/Hatch Release	gray/brown	-	Car Access System under driver dash, 41 pin plug, pin 39
Trunk Release Motor	black/yellow or yellow	5 wire	Body Basic Module behind glove box, 13 pin plug, pin 3
Fuel Door Release	(unlocks along with driver door)		
Tachometer	black	ac	data link connector, 16 pin plug, pin 9
Clutch Pedal	blue/black	+	Car Access Sys under dr dash, 41 pin plug, pin 41
Fuel Pump	white/blue (4.8L)	+	fuel pump relay behind glove box

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Item	Wire Color	Polarity	Wire Location
Rear Defroster	gray/black	+ latched	Heating/Air Conditioning System in center dash, 26 pin plug, pin 19
Mirror Defroster	(K CAN)		
Left Front Heated Seat	(K CAN)		
Right Front Heated Seat	(K CAN)		
Speed Sense	blue/red or brown/red	ac	Car Access Sys under dr dash, 41P plg, pin 31; radio, 12P plg, pin 12
Brake Wire	brown/gray (functions with ignition on only)	+	Car Access System under driver dash, 41 pin plug, pin 32
Parking Brake	blue/brown/yellow	-	parking brake switch, 1 pin plug, pin 1
Horn Trigger	violet/blue (L), violet/gray (H)	+	steering column switch cluster, plug (X1880), pin 4, 3
Wipers	brown/blue	-	Body Basic Module behind glove box, 54 pin plug, pin 18
Left Front Window (Up/Down)	(use factory alarm arm/disarm)		
Right Front Window (Up/Down)	(see left front window)		
Left Rear Window (Up/Down)	(see left front window)		
Right Rear Window (Up/Down)	(see left front window)		
Sun Roof (Open/Close)	(use factory alarm arm/disarm)		
Memory Seat 1	(K CAN)		
Memory Seat 2	(K CAN)		
Memory Seat 3	(K CAN)		
Radio 12V	red/brown	+	radio, 16 pin plug, pin 15
Radio Ground	brown	-	radio, 16 pin plug, pin 12
Radio Ignition	(K CAN)		
Radio Illumination	gray/red (dimmer)	+	radio, 16 pin plug, pin 14
Factory Amp Turn-on	(same as power ant - HIFI); (MOST bus - Top HIFI)		
Power Antenna	white/violet	+	radio, 16 pin plug, pin 13
Left Front Speaker (+/-)	red/white - brown/yellow or yellow/green - yel/brn	+,-	radio, 16 pin plug, pins 3 - 7
Right Front Speaker (+/-)	red/blue - brown/white or blue/red - blue/brown	+,-	radio, 16 pin plug, pins 2 - 6

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Item	Wire Color	Polarity	Wire Location
Left Rear Speaker (+/-)	black/red - black/violet	+,-	radio, 16 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	yellow/black - yellow/brown	+,-	radio, 16 pin plug, pins 1 - 5
Center Channel (+/-)	black/white - black/brown	+,-	amplifier in left side of trunk, 20 pin plug, pins 5 - 15
Subwoofer (+/-)	(paralleled with front speakers)		
Aux. Audio Input Left (+/-)	black - white/black	+,-	radio, 12 pin plug, pins 2 - 8
Aux. Audio Input Right (+/-)	yellow - white/black	+,-	radio, 12 pin plug, pins 7 - 8
RSE Video (+/-)	black - (shield)	+,-	radio, 12 pin plug, pins 4 - 2
RSE Audio Left (+/-)	(MOST bus)		
RSE Audio Right (+/-)	(MOST bus)		
Satellite Radio 12 Volts	red/blue	+	Sat Radio in left side of trunk, 5 pin plug, pin 1
Satellite Radio Ground	brown	-	Sat Radio in left side of trunk, 5 pin plug, pin 5
Satellite Radio Ignition	(MOST bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	(MOST bus)		
Satellite Audio Right (+/-)	(MOST bus)		



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### What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	4		left front door
Left Front Tweeter			left front door
Right Front Speaker	4		right front door
Right Front Tweeter			right front door
Left Rear Speaker	4		left rear deck (sdn), roof (wgn); left rear door
Left Rear Tweeter			left rear deck (sdn), roof (wgn)
Right Rear Speaker	4		right rear deck (sdn), roof (wgn); right rear door
Right Rear Tweeter			right rear deck (sdn), roof (wgn)
Center Channel			top center of dash
Subwoofer			under left and right front seats
Satellite Radio Tuner			left side of trunk



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### ***Additional Wiring Notes***

<b>Item</b>	<b>Note</b>
Fuel Pump	On 3.0L models, it is red/white (+) at the fuel pump under the right rear seat.
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are yellow/green - yellow/brown at the amplifier in left side of trunk, 20 pin plug, pins 19 - 9 (Top HIFI).
Left Rear Speaker (+/-)	On models with amplifier, the door midrange wires are yellow/black - yellow/brown at the amplifier in left side of trunk, 20 pin plug, pins 1 - 11. The deck speaker wires are black/red - black/purple at the amplifier, 20 pin plug, pins 14 - 4 (Top HIFI).
Parking Lights	The LR - RR are black/red - black/brown at the Light Module above driver kick, 76 pin plug, pins 64, 10.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are blue/red - blue/brown at the amplifier in left side of trunk, 20 pin plug, pins 17 - 7 (Top HIFI).
Right Rear Speaker (+/-)	On models with amplifier, the door midrange wires are blue/green - blue/brown at the amplifier in left side of trunk, 20 pin plug, pins 12 - 2. The deck speaker wires are black/white - black/brown at the amplifier, 20 pin plug, pins 13 - 3 (Top HIFI).
Subwoofer (+/-)	On models with amplifier, the subwoofer wires are red/white - brown/yellow (L); red/blue - brown/white (R) at the amplifier in left side of trunk, 20 pin plug, pins 8 - 18; 6 - 16.
Trunk/Hatch Release	On the wagons, the rear glass release is brown/blue (-) at the Body Basic Module behind glove box, 54 pin plug, pin 8.
Trunk Release Motor	On the wagons, the rear glass release motor is brown/red (5 wire) at the Body Basic Module behind glove box, 54 pin plug, pin 24.