

2005 BMW 7 Series (E65/E66/E67/E68)



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (50A)	+	Car Access System, 54 pin plug, pin 33
Second 12 Volts	red/yellow (50A)	+	Light Module, 76 pin plug, pin 9
Starter	black (for starter kill only)	+	Car Access System, 54 pin plug, pin 6
Second Starter	N/A		
Ignition	green/yellow (for ignition sense only)	+ low curr	Car Access System, 54 pin plug, pin 53
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	N/A		
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	N/A		
Can Bus High	green/orange or orange	data	Car Access System, 54 pin plug, pin 14
Can Bus Low	green	data	Car Access System, 54 pin plug, pin 13
Can Bus Sw	N/A		
Power Lock	yellow/red	-	Car Access System, 54 pin plug, pin 3
Power Unlock	yellow/white	-	Car Access System, 54 pin plug, pin 18
Lock Motor	white or black	5 wire	Driver Door Module, plug (X1129), pin 7 or 9
Unlock Motor	blue	5 wire	Driver Door Module, plug (X1129), pin 3
Disarm Defeat	blue	5 wire	Passenger Door Module, plug (X1130), pin 3
Parking Lights (+)	gray/yellow/white or gray/grn (LF), gray/blue (RF)	+	Light Module, 76 pin plug, pins 25 and 40
Parking Lights (-)	black (interrupt to turn on parking lights)	-	Light Module, 76 pin plug, pin 36
Hazards	brown/blue	-	Light Module, 76 pin plug, pin 52
Turn Signal (Left)	blue/green (F), blue/brown/yellow (R)	+	Light Module, 76 pin plug, pins 68 and 4

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DirectWire Vehicle Information, 1/20/2012, 5:17:26 AM	Turn Signal (Right)	blue/brown/yellow (P); blue/brown or gm/blu/yel (R)	+	Light Module, 76 pin plug, pins 24 and 61
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Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/white or yellow/green (L), yellow/blue (R)	+	Light Module, 76 pin plug, pins 53 and 15
AutoLights			
Reverse Light	white/yellow	+	Light Module, 76 pin plug, pin 41
Left Front Door Trigger	brown/white	-	Driver Door Module, plug (X1129), pin 4
Right Front Door Trigger	brown/white	-	Passenger Door Module, plug (X1130), pin 4
Left Rear Door Trigger	brown/white	-	Left Rear Door Module, plug (X1872), pin 4
Right Rear Door Trigger	brown/white	-	Right Rear Door Module, plug (X1874), pin 4
Dome Supervision	red/blue	+	Power Module, 32 pin plug, pin 20
Trunk/Hatch Pin	gray/brown	- N.C.	Power Module, 13 pin plug, pin 11
Rear Glass Pin	N/A		
Hood Pin	purple/green	-	Car Access System, 54 pin plug, pin 17
Trunk Hatch/Release	gray/brown	-	Car Access System, 54 pin plug, pin 2
Trunk Release Motor	gray/green	5 wire	Power Module, 13 pin plug, pin 3
Fuel Door Release	unlocks along with driver door		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	blue/red	-	Driver Door Module, plug (X1129), pin 5
Factory Alarm Disarm	white/black (double pulse)	-	Driver Door Module, plug (X1129), pin 8
Disarm No Unlock	Transponder and push-button start		
Trunk Alarm Shunt	N/A		
Tachometer	black	ac	data link connector, 16 pin plug, pin 9
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	green/yellow	+	Car Access System, 54 pin plug, pin 52
Rear Defroster	black	+ latched	Power Module, 2 pin plug, pin 1
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	(CAN bus)		
Right Front Heated Seat	(CAN bus)		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	brown/red	ac	Car Access System, 54 pin plug, pin 38
Brake Wire	brown/gray (functions with ignition on only)	+	Car Access System, 54 pin plug, pin 10
Parking Brake	(electronic parking brake)		
Horn Trigger	purple/blue (L), purple/blue (H)	+	steering column switch cluster, plug (X1880), pins 3 and 4
Wipers	(CAN bus)		
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		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	(CAN bus)		
Memory Seat 2	(CAN bus)		
Memory Seat 3	(CAN bus)		
Radio 12V	red/yellow	+	radio, 16 pin plug, pin 15
Radio Ground	brown/black	-	radio, 16 pin plug, pin 12
Radio Ignition	(MOST bus)		
Radio Illumination	gray/red (dimmer)	+	radio, 16 pin plug, pin 14
Factory Amp Turn-on	(MOST bus)		
Power Antenna	white/purple	+	antenna tuner, 4 pin plug, pin 2
Left Front Speaker (+/-)	red/white - brown/orange or yellow/green - yel/brn	+,-	radio, 8 pin plug, pins 3 and 7
Right Front Speaker (+/-)	red/blue - brown/green or blue/red - blue/brown	+,-	radio, 8 pin plug, pins 2 and 6
Left Rear Speaker (+/-)	black/red - black/purple	+,-	radio, 8 pin plug, pins 4 and 8
Right Rear Speaker (+/-)	black/white - black/brown	+,-	radio, 8 pin plug, pins 1 and 5
Center Channel (+/-)	black/white - black/brown	+,-	amplifier, 20 pin plug, pins 5 and 15
Subwoofer (+/-)	wired in series with front midranges		
Aux. Audio Input Left (+/-)	N/A		
Aux. Audio Input Right (+/-)	N/A		
RSE Video (+/-)	black - (shield)	+,-	multimedia changer, 20 pin plug, pins 7 and 13
RSE Audio Left (+/-)	black - (shield) (x2)	+,-	headphone interface, 12 pin plug, pins 6, 7; 9, 10
RSE Audio Right (+/-)	yellow - (shield) (x2)	+,-	headphone interface, 12 pin plg, pins 8, 7; 11, 10

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DirectWire Vehicle Information - 1/20/2012 5:17:26 AM			
Satellite Radio 12 Volts	red/white	+	Satellite Receiver, 4 pin plug, pin 1
Satellite Radio Ground	brown	-	Satellite Receiver, 4 pin plug, pin 3
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 (deck); 4 (door)		left rear deck; left rear door
Left Rear Tweeter			left rear deck
Right Rear Speaker	4 (deck); 4 (door)		right rear deck; right rear door
Right Rear Tweeter			right rear deck
Center Channel			top center of dash
Subwoofer			under left and right front seats
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			under left rear deck

Additional Wiring Notes

Item	Note
12 Volts	The Car Access System is part of the ignition key slot.
Starter	The Car Access System is part of the ignition key slot.
Ignition	The Car Access System is part of the ignition key slot.
Trunk Hatch/Release	The Car Access System is part of the ignition key slot.
Brake Wire	The Car Access System is part of the ignition key slot.
Can Bus High	The Car Access System is part of the ignition key slot. Also found at the Light Module, 76 pin plug, pin 14. The Light Module is under the driver dash.
Can Bus Low	The Car Access System is part of the ignition key slot. Also found at the Light Module, 76 pin plug, pin 32. The Light Module is under the driver dash.
Hood Pin	The Car Access System is part of the ignition key slot.
Power Lock	The Car Access System is part of the ignition key slot.
Power Unlock	The Car Access System is part of the ignition key slot.
Speed Sense	The Car Access System is part of the ignition key slot.
Parking Lights (-)	The Light Module is under the driver dash.
Headlight	The Light Module is under the driver dash.
Center Channel (+/-)	If equipped, the amplifier is in the left side of the luggage compartment.
Left Rear Speaker (+/-)	If equipped, the amplifier is in the left side of the luggage compartment. On vehicles with amplifier, the door midrange wires are yellow/black - yellow/brown at the amplifier, 20 pin plug, pins 1 and 11.
Right Rear Speaker (+/-)	If equipped, the amplifier is in the left side of the luggage compartment. On vehicles with amplifier, the door midrange wires are blue/green - blue/brown at the amplifier, 20 pin plug, pins 12 and 2.
Subwoofer (+/-)	If equipped, the amplifier is in the left side of the luggage compartment. On vehicles with amplifier, the subwoofer wires are red/white - gray/yellow (L); red/blue - brown/white (R) at the amplifier, 20 pin plug, pins 8 and 18; 6 and 16.
Satellite Radio 12 Volts	If equipped, the Satellite Receiver is under the left rear deck.
RSE Video (+/-)	If equipped, the multimedia changer is in the left side of the luggage compartment.
RSE Audio Left (+/-)	If equipped, the headphone interface is in the left side of the luggage compartment.
RSE Audio Right (+/-)	If equipped, the headphone interface is in the left side of the luggage compartment.
Dome Supervision	The Power Module is in the right side of the luggage compartment, below the fuse box.
Trunk/Hatch Pin	The Power Module is in the right side of the luggage compartment, below the fuse box.
Trunk Release Motor	The Power Module is in the right side of the luggage compartment, below the fuse box.
Fuel Pump	The Car Access System is part of the ignition key slot.
Rear Defroster	The Power Module is in the right side of the luggage compartment, below the fuse box.
Second 12 Volts	The Light Module is under the driver dash.
Factory Alarm Arm	Meter this wire while turning the key in the driver door key cylinder.
Factory Alarm Disarm	Meter this wire while turning the key in the driver door key cylinder.
Reverse Light	The Light Module is under the driver dash.
Hazards	The Light Module is under the driver dash.
Parking Lights (+)	The Light Module is under the driver dash. The LR - RR wires are gray/green or gray/red/green - white/brown at the Light Module, 76 pin plug, pins 64 and 10.
Turn Signal (Left)	The Light Module is under the driver dash.
Turn Signal (Right)	The Light Module is under the driver dash.
Power Antenna	The antenna tuner is in the left rear pillar.