

## 2003 BMW 3 Series



### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red/green and red/blue	+	ignition harness
<b>Second 12 Volts</b>			
<b>Starter</b>	black/blue	+	ignition harness
<b>Second Starter</b>			
<b>Ignition</b>	green	+	ignition harness
<b>Second Ignition</b>	purple	+	ignition harness
<b>Third Ignition</b>			
<b>Accessory</b>			
<b>Second Accessory</b>			
<b>Third Accessory</b>			
<b>Key Sense</b>			
<b>Data Bus</b>			
<b>Can Bus High</b>			
<b>Can Bus Low</b>			
<b>Can Bus Sw</b>			
<b>Power Lock</b>	blue/red	-	54 pin plug, pin 22 at general mod
<b>Power Unlock</b>	white/black	-	54 pin plug, pin 20 at general mod
<b>Lock Motor</b>	white (any one of 5)	5wi	54 pin plug at general module
<b>Unlock Motor</b>	blue	5wi	54 pin plug, pin 35 at general mod
<b>Disarm Defeat</b>	(chassis ground)		
<b>Parking Lights (+)</b>			
<b>Parking Lights (-)</b>	see Tech Doc 1055		
<b>Hazards</b>			
<b>Turn Signal (Left)</b>			
<b>Turn Signal (Right)</b>			

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>			
<b>AutoLights</b>			
<b>Reverse Light</b>			
<b>Left Front Door Trigger</b>	red/blue	+	54 pin plug, pin 18 at general mod
<b>Right Front Door Trigger</b>			
<b>Left Rear Door Trigger</b>			
<b>Right Rear Door Trigger</b>			
<b>Dome Supervision</b>	comes on with unlock		
<b>Trunk/Hatch Pin</b>	white/brown	-	driver kick panel
<b>Rear Glass Pin</b>			
<b>Hood Pin</b>	purple/green	-	26 pin plug, pin 7 at general mod
<b>Trunk Hatch/Release</b>	gray/green	+	54 pin plug, pin 17 at general mod
<b>Trunk Release Motor</b>			
<b>Fuel Door Release</b>			
<b>Power Sliding Door (Left)</b>			
<b>Power Sliding Door (Right)</b>			
<b>Factory Alarm Arm</b>	arms with lock		
<b>Factory Alarm Disarm</b>	disarms with unlock		
<b>Disarm No Unlock</b>			
<b>Trunk Alarm Shunt</b>			
<b>Tachometer</b>	black	ac	diagnostic plug
<b>Wait to Start</b>			
<b>Neutral Safety</b>			
<b>Clutch Pedal</b>			
<b>Fuel Pump</b>			
<b>Rear Defroster</b>			
<b>Mirror Defroster</b>			
<b>Left Front Heated Seat</b>			
<b>Right Front Heated Seat</b>			

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
Speed Sense	yellow/green	ac	instrument cluster, 26 pin plug, pin 19
Brake Wire	brown/white	+	brake pedal switch
Parking Brake			
Horn Trigger	purple/blue	+	horn relay
Wipers			
Left Front Window (Up/Down)	see notes		
Right Front Window (Up/Down)			
Left Rear Window (Up/Down)			
Right Rear Window (Up/Down)			
Sun Roof (Open/Close)	see notes		
Sun Roof (Limit/Close)			
Memory Seat 1			
Memory Seat 2			
Memory Seat 3			
Radio 12V			
Radio Ground			
Radio Ignition			
Radio Illumination			
Factory Amp Turn-on			
Power Antenna			
Left Front Speaker (+/-)			
Right Front Speaker (+/-)			
Left Rear Speaker (+/-)			
Right Rear Speaker (+/-)			
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

*What Fits*


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Item	Size	Depth	Location
<b>Headunit</b>			
<b>Left Front Speaker</b>			
<b>Left Front Tweeter</b>			
<b>Right Front Speaker</b>			
<b>Right Front Tweeter</b>			
<b>Left Rear Speaker</b>			
<b>Left Rear Tweeter</b>			
<b>Right Rear Speaker</b>			
<b>Right Rear Tweeter</b>			
<b>Center Channel</b>			
<b>Subwoofer</b>			
<b>Left Front Headrest</b>			
<b>Right Front Headrest</b>			
<b>Left Right Headrest</b>			
<b>Right Rear Headrest</b>			
<b>Satellite Radio Tuner</b>			

*Additional Wiring Notes*

Item	Note
<b>Power Lock</b>	The general module is a white box located behind the glove box. The 54 pin plug is the center plug, and the 26 pin plug is the one on the left.
<b>Power Unlock</b>	The general module is a white box located behind the glove box. The 54 pin plug is the center plug, and the 26 pin plug is the one on the left. On some models, unlock may require a double pulse.
<b>Lock Motor</b>	The general module is a white box located behind the glove box. The 54 pin plug is the center plug, and the 26 pin plug is the one on the left.
<b>Driver Unlock Motor</b>	The general module is a white box located behind the glove box. The 54 pin plug is the center plug, and the 26 pin plug is the one on the left.
<b>Parking Lights (-)</b>	Need to remove the light switch module from the dash and pop off the front cover. A ribbon cable which connects the switch to the module will be exposed. With the switch facing towards you, you need to interrupt the fourth wire from the left with a relay. When interrupted the parking lights will come on.
<b>Left Front Door Trigger</b>	The general module is a white box located behind the glove box. The 54 pin plug is the center plug, and the 26 pin plug is the one on the left.
<b>Hood Pin</b>	The general module is a white box located behind the glove box. The 54 pin plug is the center plug, and the 26 pin plug is the one on the left.
<b>Trunk Hatch/Release</b>	The general module is a white box located behind the glove box. The 54 pin plug is the center plug, and the 26 pin plug is the one on the left.
<b>Tachometer</b>	The diagnostic plug is on the passenger side of the engine compartment. If the vehicle does not have the diagnostic plug then the black wire can be found at the data link connector under the driver side dash.
<b>Horn Trigger</b>	The horn relay is above the general module. It is the green relay to the right of an orange relay.
<b>Left Front Window (Up/Down)</b>	Extended triggers on the door lock wires will roll the windows up/down and open/close the sunroof. Use validity channels to control.
<b>Sun Roof (Open/Close)</b>	Extended triggers on the door lock wires will roll the windows up/down and open/close the sunroof. Use validity channels to control.
<b>Speed Sense</b>	It has to be a single wire. If twisted pair, do not use, it is a CAN wire.