

1997 BMW 3 Series

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/wht or red	+	ignition harness
Second 12 Volts			
Starter	blk/yel or grn/blk	+	ignition harness
Second Starter			
Ignition	green	+	ignition harness
Second Ignition	pur/wht or purple	+	ignition harness
Third Ignition			
Accessory			
Second Accessory			
Third Accessory			
Key Sense			
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	white/red	+	factory alarm plug
Power Unlock	blue/red	+	factory alarm plug
Lock Motor			
Unlock Motor			
Disarm Defeat			
Parking Lights (+)	gry/pur, gry/yel		headlight switch
Parking Lights (-)	blue/green (hazards)		factory alarm plug
Hazards			
Turn Signal (Left)			
Turn Signal (Right)			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow		headlight switch
AutoLights			
Reverse Light			
Left Front Door Trigger		-	factory alarm plug
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	comes on with unlock		
Trunk/Hatch Pin	brown/white	-	factory alarm plug
Rear Glass Pin			
Hood Pin	purple/green	-	
Trunk Hatch/Release			
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)			
Power Sliding Door (Right)			
Factory Alarm Arm	factory remote only		
Factory Alarm Disarm	factory remote only		
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer	black	AC	instrument cluster
Wait to Start			
Neutral Safety			
Clutch Pedal	purple/white (in), brown/black (out)	+ N.O.	clutch pedal switch
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	black/white		radio harness
Brake Wire	blue/red	+	at brake pedal switch
Parking Brake			
Horn Trigger	brown/red	-	steering column
Wipers	blk/gry and blk/blu	-	steering column
Left Front Window (Up/Down)	blk/wht - pur/wht	A	body electr control mod
Right Front Window (Up/Down)	blu/grn - yel/grn	A	body electr control mod
Left Rear Window (Up/Down)	blk/yel - blu/grn	A	relay module
Right Rear Window (Up/Down)	wht/yel - blu/red	A	relay module
Sun Roof (Open/Close)			
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

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

Smart Starter Kill Relay

Relay Type:	n/a
Part #:	n/a
OE Relay Part #:	
Location:	n/a

Notes:
n/a

Alternate Part Notes:
n/a

Immobilizer Bypass Module

Required:	Yes
Type:	EWS II
Part #:	556UW
Alternate Part #'s:	DesignTech 20402, DesignTech 29402

Notes:

Additional Wiring Notes

Item	Note
Left Front Door Trigger	The alarm plug is a black 12 pin plug located just behind the glove box. It is mounted with the pins facing you atop a vent just to the left of the body computer. Other wires at the alarm plug are: 12V- red/white; Accessory- purple/white; Siren- black/blue; Ground- brown/orange. Do not use the power sources at the alarm plug to operate high-current devices. The other side of the siren wire is mounted in a 2 pin plug at the passenger rear corner of the engine compartment. The other wire in the plug is a brown ground wire. DEI recommends attaching the siren at this point. Door triggers are brown/gray for the drivers front door, brown/blue for the passenger front door, and brown/white for the rear doors (if equipped). Use all three wires and diode isolate each.
Hood Pin	Located in a single pin connector next to the factory alarm plug.
Left Front Window (Up/Down)	The body electronics control module and the relay module are located behind the glove box. When using a 530T and locking and unlocking with the key will cause the windows to travel full direction. The 529T will not alter the factory operation.
Left Rear Window (Up/Down)	The body electronics control module and the relay module are located behind the glove box. When using a 530T and locking and unlocking with the key will cause the windows to travel full direction. The 529T will not alter the factory operation.
Parking Lights (-)	The alarm plug is a black 12 pin plug located just behind the glove box. It is mounted with the pins facing you atop a vent just to the left of the body computer. Other wires at the alarm plug are: 12V- red/white; Accessory- purple/white; Siren- black/blue; Ground- brown/orange. Do not use the power sources at the alarm plug to operate high-current devices. The other side of the siren wire is mounted in a 2 pin plug at the passenger rear corner of the engine compartment. The other wire in the plug is a brown ground wire. DEI recommends attaching the siren at this point.
Parking Lights (+)	These wires are the separate left and right parking light wires. Use both wires and isolate each.
Power Lock	The alarm plug is a black 12 pin plug located just behind the glove box. It is mounted with the pins facing you atop a vent just to the left of the body computer. Other wires at the alarm plug are: 12V- red/white; Accessory- purple/white; Siren- black/blue; Ground- brown/orange. Do not use the power sources at the alarm plug to operate high-current devices. The other side of the siren wire is mounted in a 2 pin plug at the passenger rear corner of the engine compartment. The other wire in the plug is a brown ground wire. DEI recommends attaching the siren at this point.
Power Unlock	The alarm plug is a black 12 pin plug located just behind the glove box. It is mounted with the pins facing you atop a vent just to the left of the body computer. Other wires at the alarm plug are: 12V- red/white; Accessory- purple/white; Siren- black/blue; Ground- brown/orange. Do not use the power sources at the alarm plug to operate high-current devices. The other side of the siren wire is mounted in a 2 pin plug at the passenger rear corner of the engine compartment. The other wire in the plug is a brown ground wire. DEI recommends attaching the siren at this point.
Right Front Window (Up/Down)	The body electronics control module and the relay module are located behind the glove box. When using a 530T and locking and unlocking with the key will cause the windows to travel full direction. The 529T will not alter the factory operation.
Right Rear Window (Up/Down)	The body electronics control module and the relay module are located behind the glove box. When using a 530T and locking and unlocking with the key will cause the windows to travel full direction. The 529T will not alter the factory operation.
Tachometer	The wire is located in a white connector behind the instrument cluster. Do not unplug the white connector with the ignition on or turn the ignition on with the plug disconnected.
Trunk/Hatch Pin	The alarm plug is a black 12 pin plug located just behind the glove box. It is mounted with the pins facing you atop a vent just to the left of the body computer. Other wires at the alarm plug are: 12V- red/white; Accessory- purple/white; Siren- black/blue; Ground- brown/orange. Do not use the power sources at the alarm plug to operate high-current devices. The other side of the siren wire is mounted in a 2 pin plug at the passenger rear corner of the engine compartment. The other wire in the plug is a brown ground wire. DEI recommends attaching the siren at this point.