1999 BMW 5 Series





Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red	+	ignition harness
Second 12 Volts	Teu	T	ignition namess
Starter	black/yellow	+	ignition harness
Second Starter	,		3 11 11 11 11
Ignition	green (x3)	+	ignition harness
Second Ignition	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	blue/red	+	door module in driver door
Power Unlock	black/white	+	door module in driver door
Lock Motor			
Unlock Motor			
Disarm Defeat			
Parking Lights (+)			
Parking Lights (-)	black		headlight switch
Hazards			
Turn Signal (Left)			
Turn Signal (Right)			

DirectWire Vehicle Information - 3/10/2014 6:34:55 AM

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight			
AutoLights			
Reverse Light			
Left Front Door Trigger	blue/red	+	dome light
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	comes on with unlock		
Trunk/Hatch Pin	brown/white	-	trunk pin
Rear Glass Pin			
Hood Pin			
Trunk Hatch/Release	gray/black	-	release switch
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)			
Power Sliding Door (Right)			
Factory Alarm Arm	arms with lock		
Factory Alarm Disarm	disarms with unlock		
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer	black	ac	round diagnostic plug under hood
Wait to Start			
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Speed Sense Brake Wire brown/gray + brake pedal switch	Item	Wire Color	Polarity	Wire Location
Brake Wire		Wife Color	Folarity	Wife Location
Parking Brake Horn Trigger Wipers Left Front Window (Up/Down) Right Front Window (Up/Down) Left Rear Window (Up/Down) Sun Roof (Open/Close) Sun Roof (Open/Close) Sun Roof (Limit/Close) Memory Seat 1 Memory Seat 2 Memory Seat 2 Memory Seat 3 Radio 12V Radio Ground Radio Ignition Radio Illumination Factory Amp Turn-on Power Antenna Left Front Speaker (+t-) Left Rear Speaker (+t-) Left Rear Speaker (+t-) Center Channel (+t-) Subwoofer (+t-) Aux. Audio Input Right (+t-) RSE Video (+t-) RSE Video (+t-) RSE Video (Ft-) Satellite Radio Ground Satellite Radio Ground Radio Ignition Satellite Radio Ground Satellite Radio Ignition Satellite Radio Ground Satellite Radio Ground Satellite Radio Ground Satellite Radio Ignition Satellite Radio Autonna Satellite Radio Antenna Satellite Radio Left (+t-)	-	brown/grov		broke nedel quitab
Horn Trigger Wipers See notes Sin Roof (Up/Down) Wipers See notes Sin Roof (Open/Close) See notes Sin Roof (Den/Close) See notes Sin Roof (Limit/Close) See notes Sin Roof (Up/Down) Sin Roof (Up/		Diown/gray	+	brake pedal Switch
Wipers Left Front Window (Up/Down) Left Rear Window (Up/Down) Left Rear Window (Up/Down) Left Rear Window (Up/Down) Right Rear Window (Up/Down) Sun Roof (Den/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 Power Antenna Power Antenna Right Front Speaker (+/-) Right Front Speaker (+/-) Right Rear Speaker (+/-) Right Rear Speaker (+/-) Left Rear Speaker (+/-) Right Rear Speaker (+/-) Aux. Audio Input Left (+/-) Aux. Audio Input Right (+/-) RSE Video (+/-) RSE Audio Right (+/-) RSE Audio Right (+/-) RSE Audio Right (+/-) Satellite Radio Ground Satellite Radio Ignition Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-) Satellite Audio Left (+/-)				
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Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)	RSE Audio Left (+/-)			
Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)	RSE Audio Right (+/-)			
Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)				
Satellite Radio Antenna Satellite Audio Left (+/-)	Satellite Radio Ground			
Satellite Radio Antenna Satellite Audio Left (+/-)	Satellite Radio Ignition			
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			

DirectWire Vehicle Information - 3/10/2014 6:34:55 AM

Additional Wiring Notes

Item	Note
	Extended triggers on the door lock wires will roll the windows up/down and open/close the sunroof. Use validity channels to control.
Power Unlock	Unlock requires a double pulse.
	Extended triggers on the door lock wires will roll the windows up/down and open/close the sunroof. Use validity channels to control.
Left Front Window (Up/Down)	Extended triggers on the door lock wires will roll the windows up/down and close the sunroof. Use validity channels to control.
Parking Lights (-)	Cutting this wire turns on the parking lights. Use a relay to interrupt the wire to flash the parking lights. See Tech Doc 1055 for wiring information.