

2006 BMW 5 Series E60

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/green	+	CAS control unit, black 41 pin plug, pin 21
Second 12 Volts			
Starter	black	+	CAS control unit, black 41 pin plug, pin 22
Second Starter			
Ignition	green/white	+	CAS control unit, black 41 pin plug, pin 7
Second Ignition			
Third Ignition			
Accessory			
Second Accessory			
Third Accessory			
Key Sense			
Data Bus			
Can Bus High	black	data	CAS control unit, black 41 pin plug
Can Bus Low	yellow	data	CAS control unit, black 41 pin plug
Can Bus Sw			
Power Lock	yellow/red	-	CAS control unit, black 41 pin plug, pin 33
Power Unlock	same as power lock		
Lock Motor			
Unlock Motor			
Disarm Defeat			
Parking Lights (+)			
Parking Lights (-)			
Hazards			
Turn Signal (Left)	blue/green (F), blue/yellow (S), blue/brown (R)	+	light cntrl unit, wht 76 pin plug, pins 68, 22, 4
Turn Signal (Right)	blue/brown (F), violet/black (S), blue/brown (R)	+	light cntrl unit, wht 76 pin plug, pins 24, 39, 61

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight			
AutoLights			
Reverse Light			
Left Front Door Trigger	blue/red	+	light to illuminate the pedals
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision			
Trunk/Hatch Pin	white/brown		light of the luggage compartment
Rear Glass Pin			
Hood Pin			
Trunk Hatch/Release			
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)			
Power Sliding Door (Right)			
Factory Alarm Arm			
Factory Alarm Disarm			
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer			
Wait to Start			
Neutral Safety			
Clutch Pedal			
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			
Brake Wire			
Parking Brake			
Horn Trigger			
Wipers			
Left Front Window (Up/Down)			
Right Front Window (Up/Down)			
Left Rear Window (Up/Down)			
Right Rear Window (Up/Down)			
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

Additional Wiring Notes

Item	Note
12 Volts	The CAS control unit (white coloured) is fixed on the steering column left side.
Turn Signal (Left)	The light control unit is fixed at the back of the CAS unit, under the driver side dash.
Turn Signal (Right)	The light control unit is fixed at the back of the CAS unit, under the driver side dash.
Ignition	The CAS control unit (white coloured) is fixed on the steering column left side. For ignition inhibition use black/violet at the CAS control unit, black 41 pin plug, pin 20.
Can Bus High	The CAS control unit (white coloured) is fixed on the steering column left side.
Can Bus Low	The CAS control unit (white coloured) is fixed on the steering column left side.
Starter	The CAS control unit (white coloured) is fixed on the steering column left side.
Power Lock	The CAS control unit (white coloured) is fixed on the steering column left side.
Left Front Door Trigger	Under the driver side dash.