

2006 BMW 3 series (E90)



There is no exterior photo for this vehicle.



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red	+	see note
Second 12 Volts			
Starter	black	+	see note
Second Starter			
Ignition			see note
Second Ignition			
Third Ignition			
Accessory			
Second Accessory			
Third Accessory			
Key Sense			
Data Bus			
Can Bus High	orange/green	data	41 WAY AT CAS UNIT AT COLUMN
Can Bus Low	orange	data	41 WAY AT CAS UNIT AT COLUMN
Can Bus Sw			
Power Lock	yellow/brown	-	see note
Power Unlock	as above		
Lock Motor			
Unlock Motor			
Disarm Defeat			
Parking Lights (+)			
Parking Lights (-)			
Hazards			
Turn Signal (Left)	blue/green x2 blue/yellow	+	see note
Turn Signal (Right)	blue/brown x2 blue/yellow	+	see note

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight			
AutoLights			
Reverse Light			
Left Front Door Trigger	red/blue	+	drivers side kick light
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision			
Trunk/Hatch Pin	white/brown	-	at glovebox light
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	same as lock		
Factory Alarm Disarm	same as unlock		
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
Starter	black 41way connector found at the CAS unit driverside left hand side of steering column, pin20
Power Lock	black 41way connector found at the CAS unit driverside left hand side of steering column, pin 33
Turn Signal (Right)	LIGHT-51way black/grey connector top of the light control unit drivers kick pin11,12,13 RIGHT-51way black/grey connector bottom part of the light control unit drivers kick pin40,44,45
Turn Signal (Left)	LIGHT-51way black/grey connector top of the light control unit drivers kick pin11,12,13 RIGHT-51way black/grey connector bottom part of the light control unit drivers kick pin40,44,45
12 Volts	black 41way connector found at the CAS unit driverside left hand side of steering column, pin 21