

## 1999 BMW 5 Series



## Wiring Information

| Item                | Wire Color   | Polarity | Wire Location              |
|---------------------|--------------|----------|----------------------------|
| 12 Volts            | red          | +        | ignition harness           |
| Second 12 Volts     |              |          |                            |
| Starter             | black/yellow | +        | ignition harness           |
| Second Starter      |              |          |                            |
| 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) |              |          |                            |

*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>    | blue/red             | +        | dome light                       |
| <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>            | brown/white          | -        | trunk pin                        |
| <b>Rear Glass Pin</b>             |                      |          |                                  |
| <b>Hood Pin</b>                   |                      |          |                                  |
| <b>Trunk Hatch/Release</b>        | gray/black           | -        | release switch                   |
| <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       | round diagnostic plug under hood |
| <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                  |            |          |                    |
| Brake Wire                   | brown/gray | +        | brake pedal switch |
| Parking Brake                |            |          |                    |
| Horn Trigger                 |            |          |                    |
| 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*

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| Item                               | Note  |
|------------------------------------|---|
| <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>Power Unlock</b>                | Unlock requires a double pulse.   |
| <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>Left Front Window (Up/Down)</b> | Extended triggers on the door lock wires will roll the windows up/down and close the sunroof. Use validity channels to control.                         |
| <b>Parking Lights (-)</b>          | 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. |