



Perfect Power Wiring Diagrams BMW Menu

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BMW Wiring Diagrams	
Model	ECU Location
318,323, 325 (E30) - Bosch Motronic Le - Jetronic - 1987-89	
Mini - - 2003	
e520i - Bosch Motronic M3.1 - 1992-96	
525i - Bosch Motronic M3.1 - 1992-96	
M3 3.2 double vanos (E36) (S50 B32) - Bosch Motronic 3.1 - 1997	✓
316i (e46) (194E1) - Bosch BMS 46 - 1999-02	
316i Compact (e36) (194E1) - Bosch BMS 46 - 1998-02	
318i (E46) (194E1) - Bosch BMS 46 - 1998-02	
320i - Bosch Motronic M3.1 - 1992-1997	
325i - Bosch Motronic M3.1 - 1992-96	
M3 3.2 Double Vanos (E36) (S50 B32) - Bosch motronic 3.1 - 1997	✓
325 - Motronic - 1982-88	✓
325e - Motronic - 1982-88	✓
528e - Motronic - 1982-88	✓
533i - Motronic - 1982-88	✓
535i - Motronic - 1982-88	✓
535iS - Motronic - 1982-88	✓
635Si - Motronic - 1982-88	✓
635CSi - Motronic - 1982-88	✓
733i - Motronic - 1982-88	✓
735i - Motronic - Motronic	✓
Z3 2.0 (20 6S 4) - Siemens MS 42 - 1999-02	
Z3 2.8 (28 6S 2) - Siemens MS 42 - 1999-02	✓
520i (E39) (25 6S 4) - Siemens MS 42 - 1998-02	
523i (E39) (20 6S 4) - Siemens MS 42 - 1998-02	

528i (E39) (28 6S 2) - Siemens MS 42 - 1998-02	
728i (E28) (28 6S 2) - Siemens MS 42 - 1998-02	
740i (E38) - Bosch Motronic M3.3 - 1994-96	
M5 24V - -	✓
540 - - 1997	✓
318iS/Coupe (E36) - Bosch Motronic 5.2 - 1996-99	✓
318Ti Compact (E36) - Bosch Motronic 5.2 - 1996-00	
320i (E46) (20 6S 4) - Siemens MS 42 - 1998-02	
323i (E46) (25 6S 4) - Siemens MS 42 - 1998-02	
328i (E46) (28 6S 2) - Siemens MS 42 - 1998-02	
730i (E32) - Bosch Motronic M3.3 - 1992-94	
730i (E38) - Bosch Motronic M3.3 - 1994-96	
740i (E32) - Bosch Motronic M3.3 - 1992-94	
540 - - 1998-	✓
520i 24V Vanos (E34) - Bosch Motronic M3.3.1 - 1992-96	✓
3.2 M3 Double Vanos - Bosch Motronic 3.1 -	✓
325i 24V Vanos (E36) - Bosch Motronic M3.3.1 - 1992-97	✓
525i 24V Vanos (E34) - Bosch Motronic M3.3.1 - 1992-96	✓
2.0 & 2.5 24V no Vanos - -	✓
316i (E36) (16 4E 1) - Bosch Motronic M1.7 - 1991-93	
318i (E36) (18 4E 1) - Bosch Motronic M1.7 - 1991-93	
518i (E34) - Bosch Motronic M1.7 - 1989-95	
530 & 540 V8 - -	✓
2L & 2.5L 24V with Vanos - -	✓
3.0L M3 with Vanos - -	✓
530i (E34) - Bosch Motronic M3.3 - 1992-96	✓
540i (E34) - Bosch Motronic M3.3 - 1992-96	✓
316 M40 - -	✓
316i/318i (E30) - Bosch Motronic M1.1/1.3 - 1988-93	
320i (E30) - Bosch Motronic M1.1/1.3 - 1986-93	
325i/325e (E30) - Bosch Motronic M1.1/1.3 - 1985-93	
318i (E36) - Bosch Motronic M1.1/1.3 - 1991-93	
518i (E34) - Bosch Motronic M1.1/1.3 - 1991-93	

520i (E34) - Bosch Motronic M1.1/1.3 - 1991-93	
525i (E34) - Bosch Motronic M1.1/1.3 - 1988-93	
530i (E34) - Bosch Motronic M1.1/1.3 - 1988-93	
535i (E34) - Bosch Motronic M1.1/1.3 - 1988-93	
730i (E32) - Bosch Motronic M1.1/1.3 - 1986-92	
735i (E32) - Bosch Motronic M1.1/1.3 - 1986-92	
318i DOHC whith timing chain (M42) - -	✓
318iS with viscous fan - -	✓
2.8L 24V - -	✓
320i Vanos (E36) (20 6s 3) - Siemens MS 41 - 1994-99	
323i/Compact (E36) (25 6s 3) - Siemens MS 41 - 1995-00	
328i (E36) (28 6S 1) - Siemens MS 41 - 1995-99	
520i 24V Vanos (E39) (20 6S 3) - Siemens MS 41 - 1996-00	
528i (E39) - Siemens MS 41 - 1996-00	
316 M43 Timing chain - -	✓
520i 24V Vanos (E39) - Siemens MS 41 - 1996-99	
523i (E39) - Siemens MS 41 - 1996-99	
528i (E39) - Siemens MS 41 - 1996-99	
728i - Siemens MS 41 - 1998	
325i/325e (E30) - Bosch Motronic M1.1/1.3 - 1985-93	✓
318i(E36)/518i/520i (E34) - Bosch Motronic M1.1/1.3 - 1991-93	✓
525i/530i/535i (E34) - Bosch Motronic M1.1/1.3 - 1988-93	✓
730i/735i (E32) - Bosch Motronic M1.1/1.3 - 1986-92	✓
3L M3 Vanos - -	✓
320i Vanos (E36) - Siemens MS 41 - 1994-98	
323i/Compact (E36) - Siemens MS 41 - 1995-98	
328i (E36) - Siemens MS 41 - 1995-98	
320i 24V (E36) - Bosch Motronic M3.1 - 1991-92	✓
320i 24V Vanos (E36) - Bosch Motoronic M3.1 - 1992-97	✓
325i 24V (e36) - Bosch Motronic M3.1 - 1991-92	✓
325i 24V Vanos (E36) - Bosch Motronic M3.1 - 1992-97	✓
520i/525i 24V (e36) - Bosch Motoronic M3.1 - 1989-92	✓
520i/525i 24V Vanos (e34) - Bosch Motronic M3.1 - 1992-96	✓

316i/318i (E30) - Bosch Motronic M1.1/1.3 - 1988-93	✓
320i (E30) - Bosch Motronic M1.1/1.3 - 1986-93	✓
316i (E36) - Bosch Motronic M1.7.3 - 1995-00	
318i (E36) - Bosch motronic M1.7.3 - 1995-99	
745i - Motronic -	

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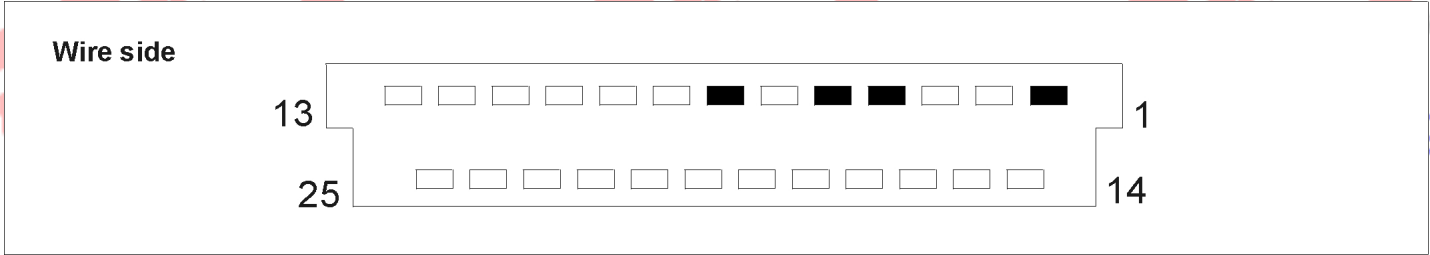
Perfect Power Wiring Diagram



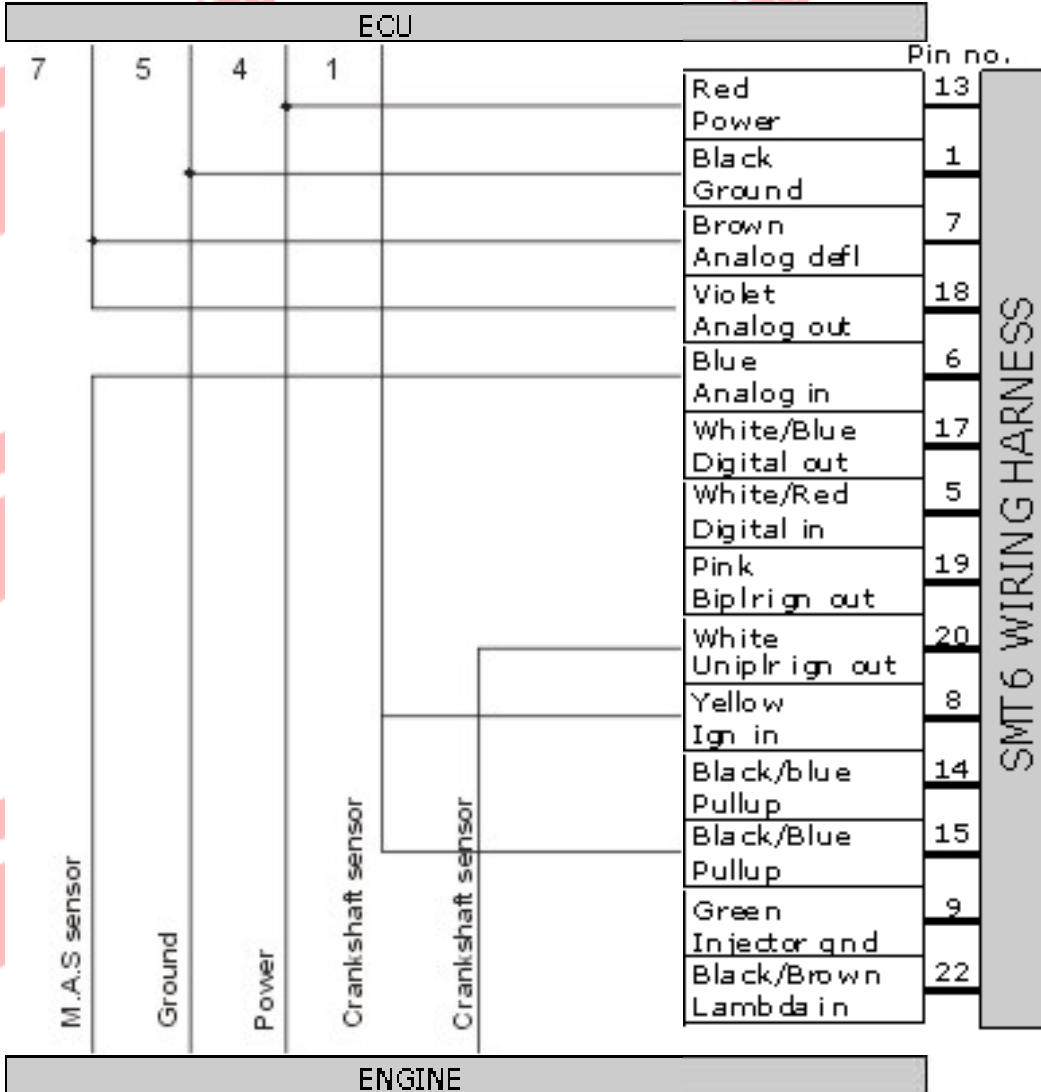
ECU make: Bosch Motronic Le - Jettronic Vehicle make: BMW
 Model: 318,323, 325 (E30)
 Year: 1987-89
 Comments:
 ECU Location:

Click [here](#) to return to BMW Menu.

ECU Pin Out



Wiring Diagram



Global Settings

- Cylinders 4
- Teeth per turn (incl miss) 2
- Teeth per firing 1
- Modes 10
- System Config
 - Positive input pol ON
 - Positive output pol ON
 - Low level input OFF
 - High frequency OFF
 - Interlaced OFF
 - One missing tooth OFF
 - Lambda Input OFF

Click [here](#) for an explanation on how to use the global settings.

Perfect Power Wiring Diagram

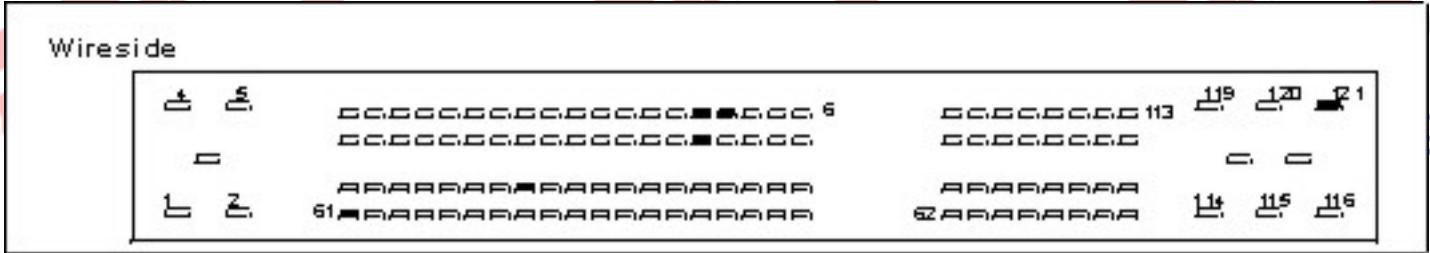


ECU make:
 Model: Mini
 Year: 2003
 Comments:
 ECU Location:

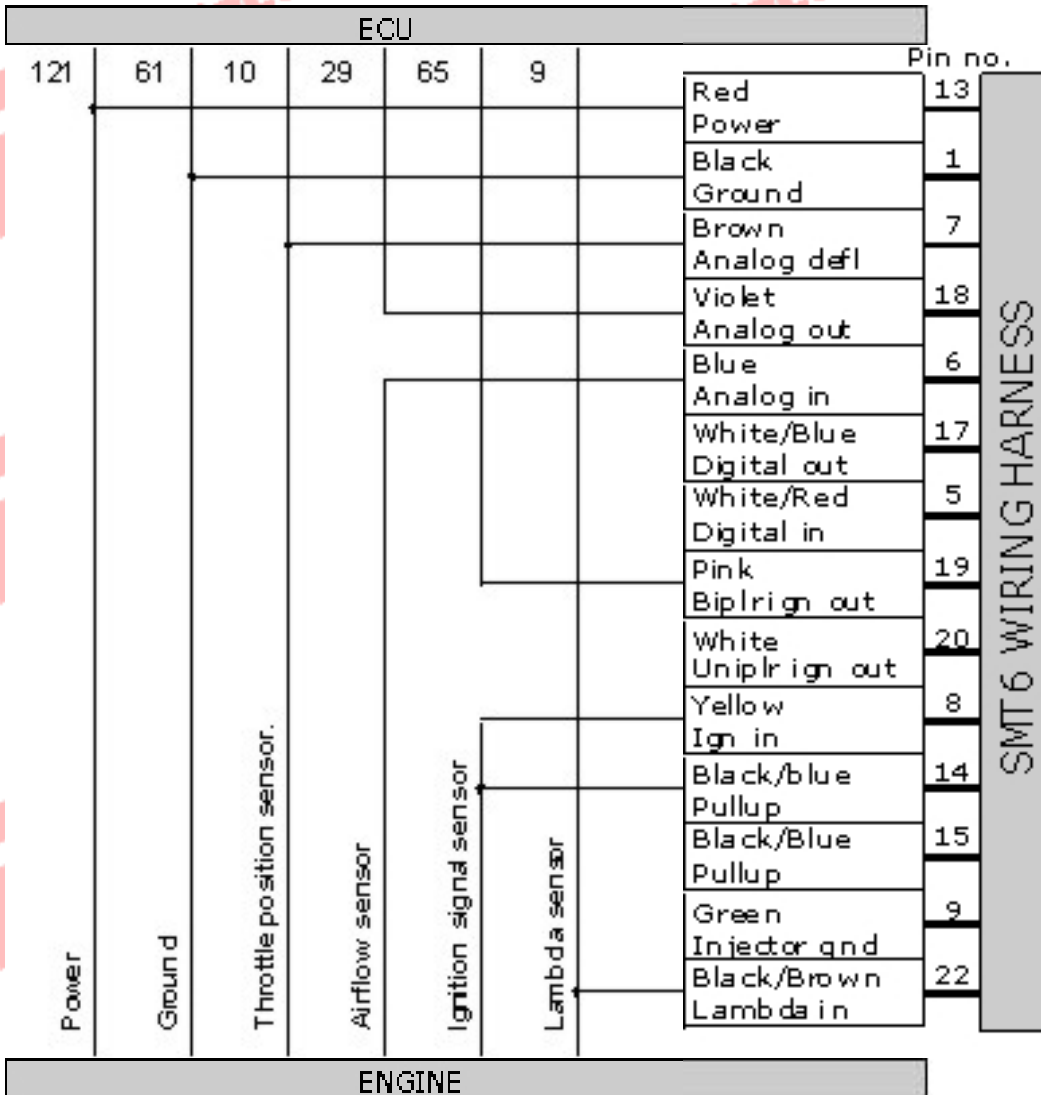
Vehicle make: BMW

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ECU Pin Out



Wiring Diagram



Global Settings

- Cylinders 4
- Teeth per turn (incl miss) 60
- Teeth per firing 30
- Modes 1
- System Config
- Positive input pol ON
- Positive output pol ON
- Low level input ON
- Interlaced OFF

Click [here](#) for an explanation on how to use the global settings.

The above Global Settings are additions to the Default SMT6 Map. Disclaimer: Please note that as a result of the ECU pin out variations for this vehicle worldwide, this Wiring Diagram is to be used as a guideline only. Digital Technology will not be held responsible in any way for incorrect wiring information contained hereon.

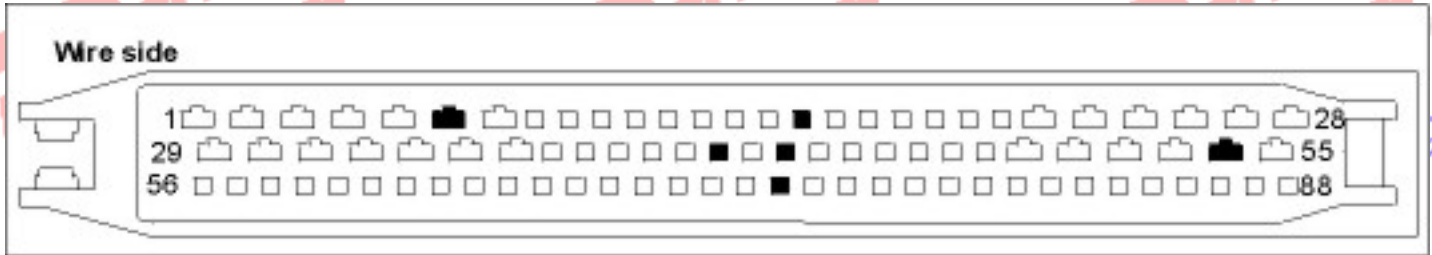
Perfect Power Wiring Diagram



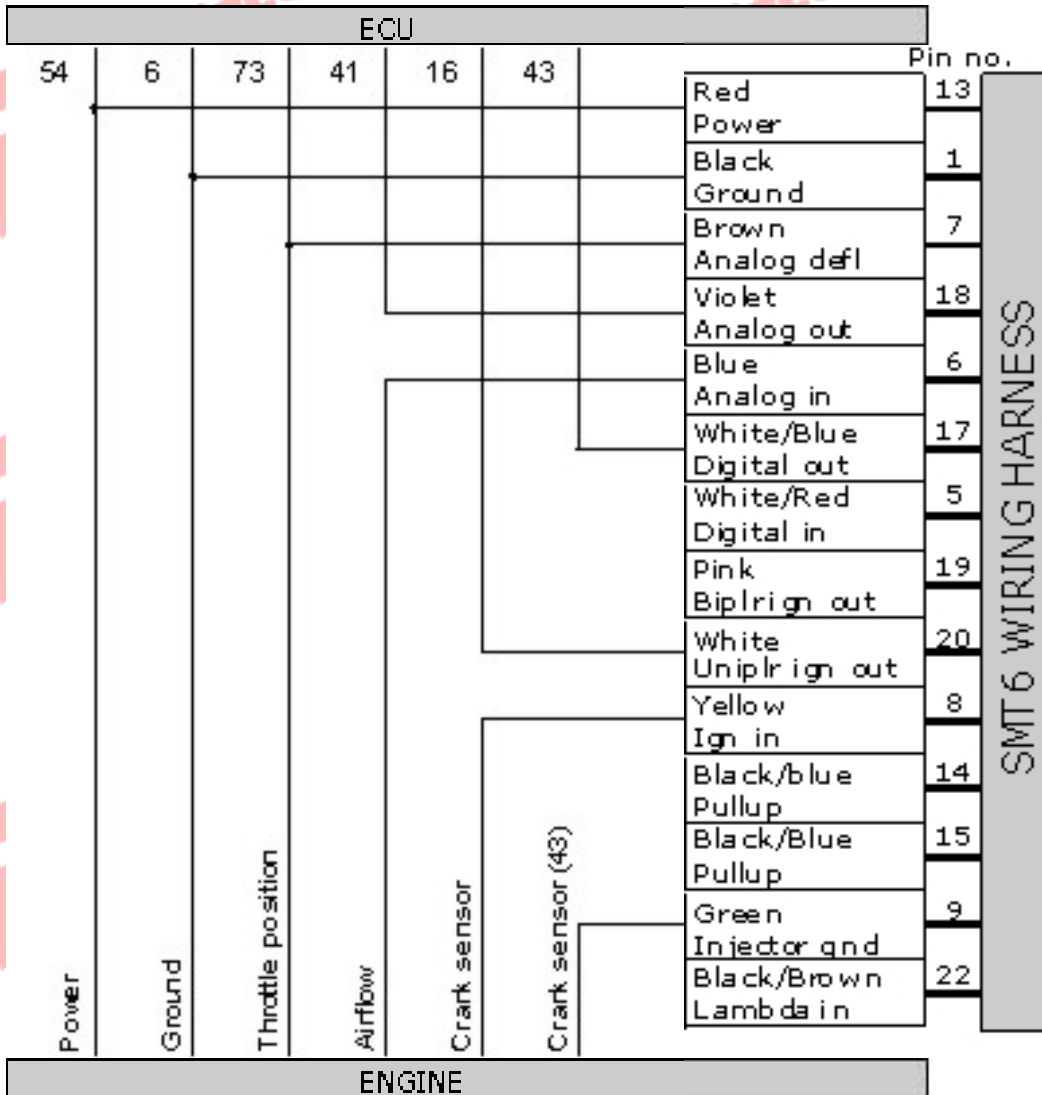
ECU make: Bosch Motronic M3.1 Vehicle make: BMW
 Model: e520i
 Year: 1992-96
 Comments: Not sure of crank pickup feedback appreciated
 ECU Location:

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ECU Pin Out



Wiring Diagram



Global Settings

Cylinders 4
 Teeth per turn(incl miss) 60
 Teeth per firing 30
 Modes 1
 System Config
 Positive input pol ON
 Positive output pol ON
 Low level input ON

Click [here](#) for an explanation on how to use the global settings.

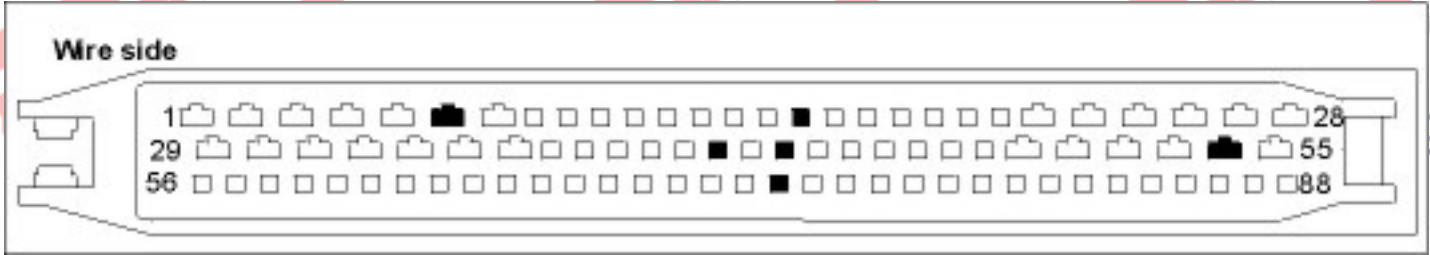
Perfect Power Wiring Diagram



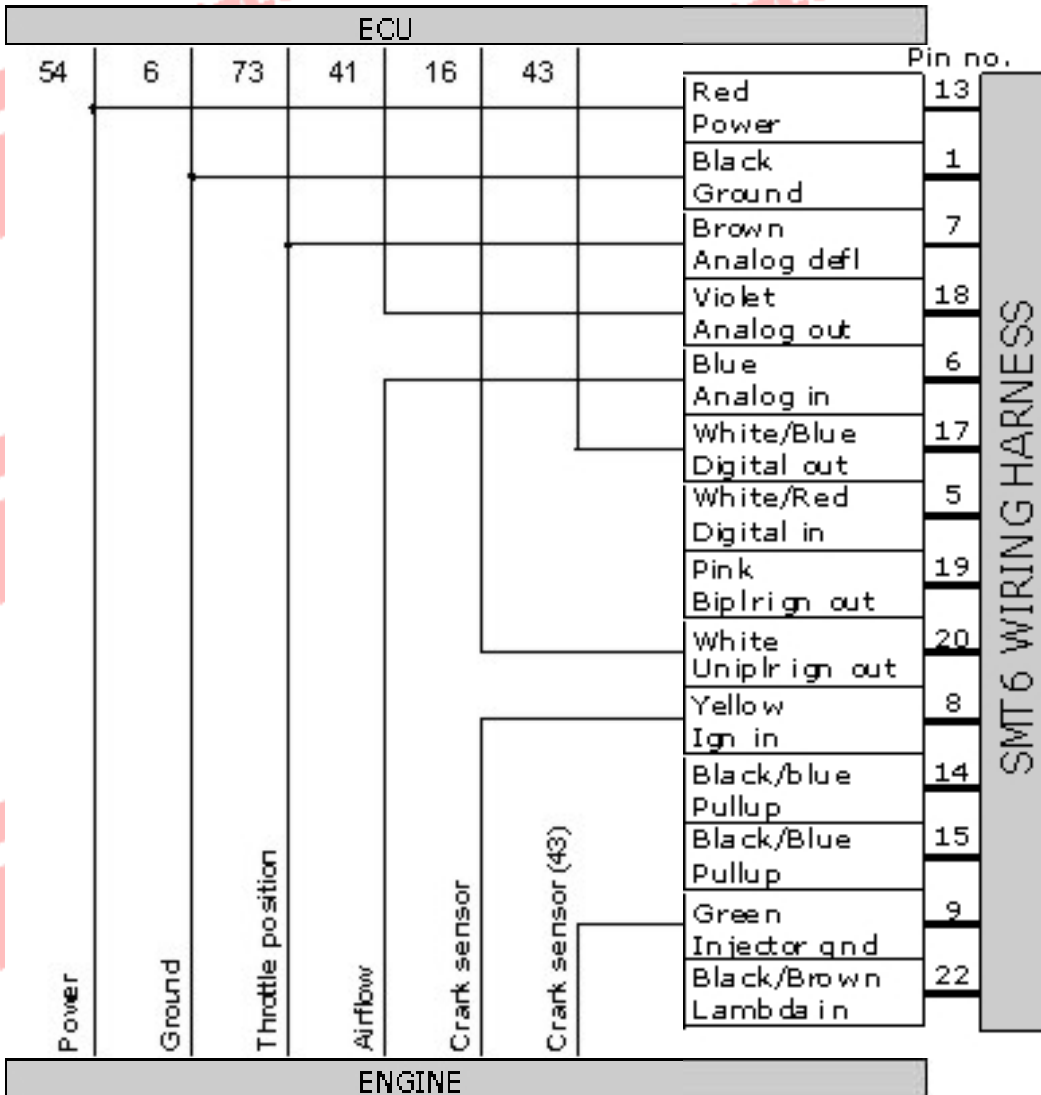
ECU make: Bosch Motronic M3.1 Vehicle make: BMW
 Model: 525i
 Year: 1992-96
 Comments: Not sure of crank pickup feedback appreciated
 ECU Location:

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ECU Pin Out



Wiring Diagram



Global Settings

Cylinders 4
 Teeth per turn (incl miss) 60
 Teeth per firing 30
 Modes 1
 System Config
 Positive input pol ON
 Positive output pol ON
 Low level input ON

Click [here](#) for an explanation on how to use the global settings.

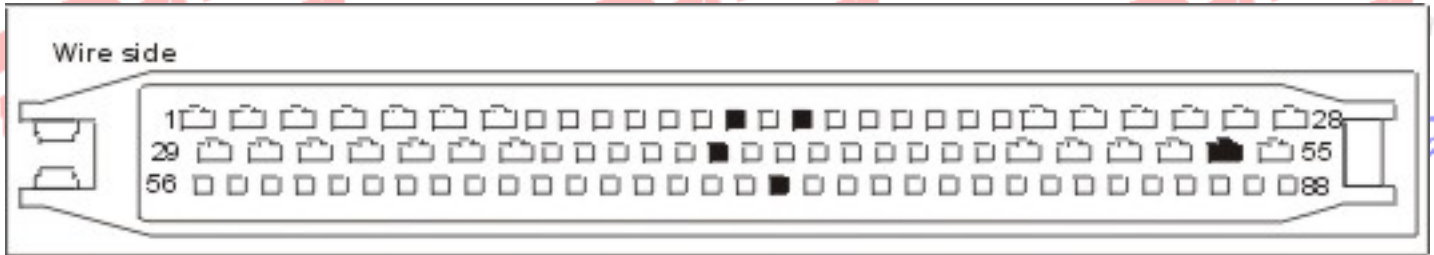
Perfect Power Wiring Diagram



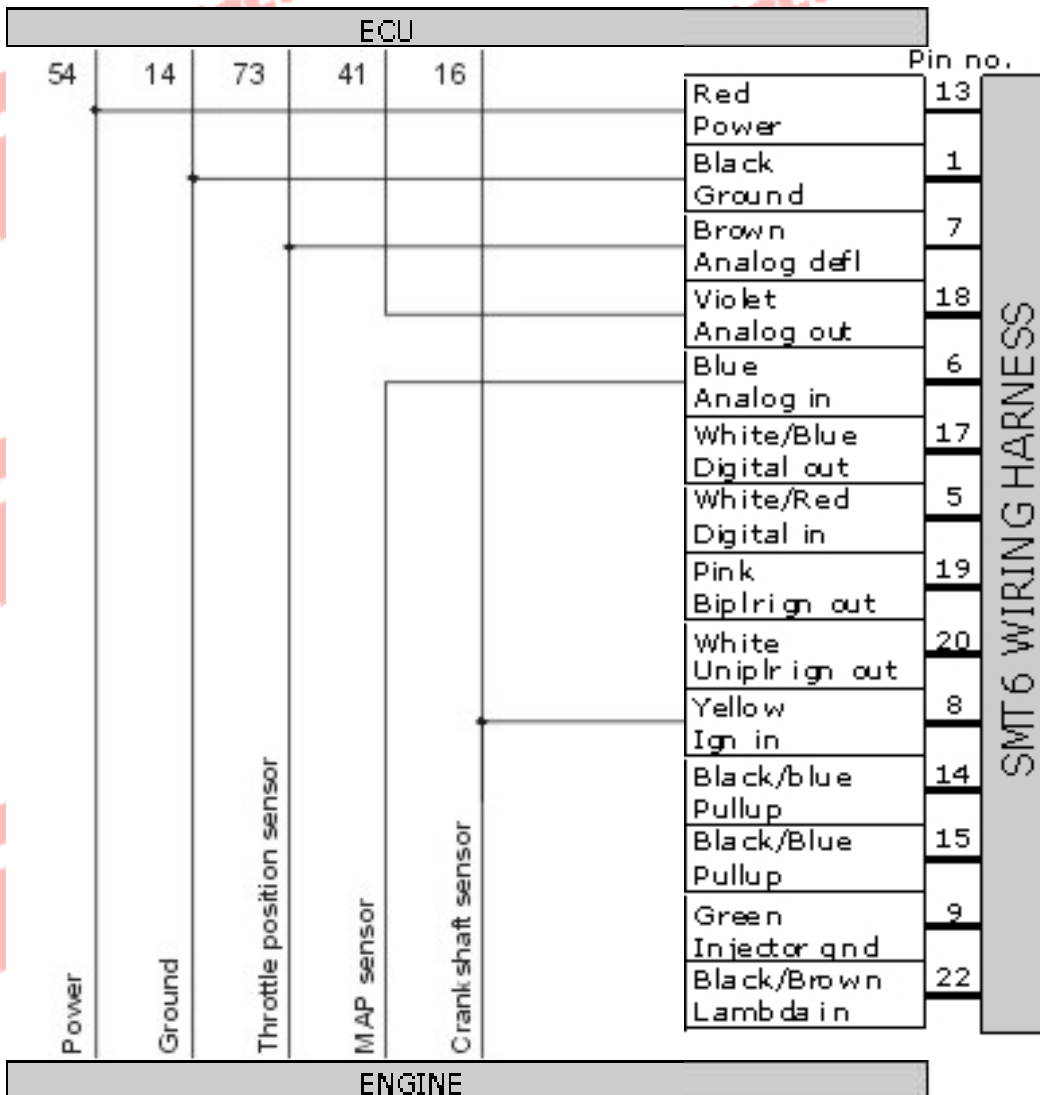
ECU make: Bosch Motronic 3.1 Vehicle make: BMW
 Model: M3 3.2 double vanos (E36) (S50 B32)
 Year: 1997
 Comments: Fuel only, see other diagram for ignition mod's
 ECU Location: Engine bay behind fuse box

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ECU Pin Out



Wiring Diagram



Global Settings

Cylinders	6
Teeth per turn (incl miss)	60
Teeth per firing	20
Modes	1
System Config	
Positive input pol	ON
Positive output pol	ON
Low level input	ON
High frequency	OFF
Interlaced	OFF
One missing tooth	OFF
Lambda Input	OFF

Click [here](#) for an explanation on how to use the global settings.

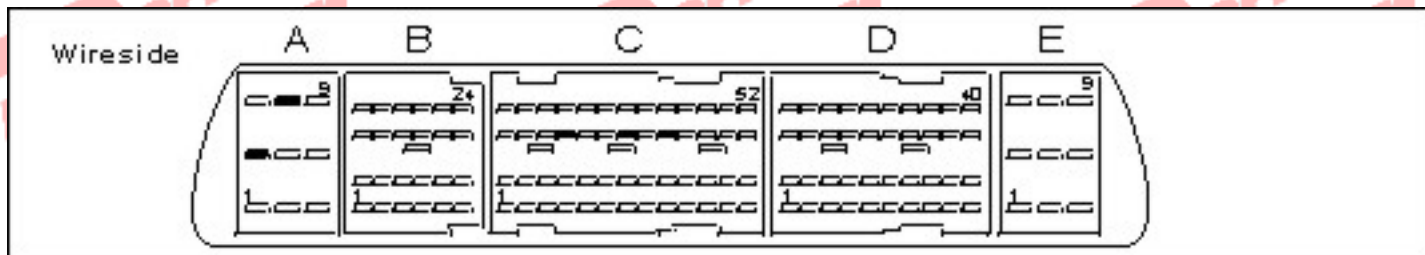


ECU make: Bosch BMS 46
 Model: 316i (e46) (194E1)
 Year: 1999-02
 Comments:
 ECU Location:

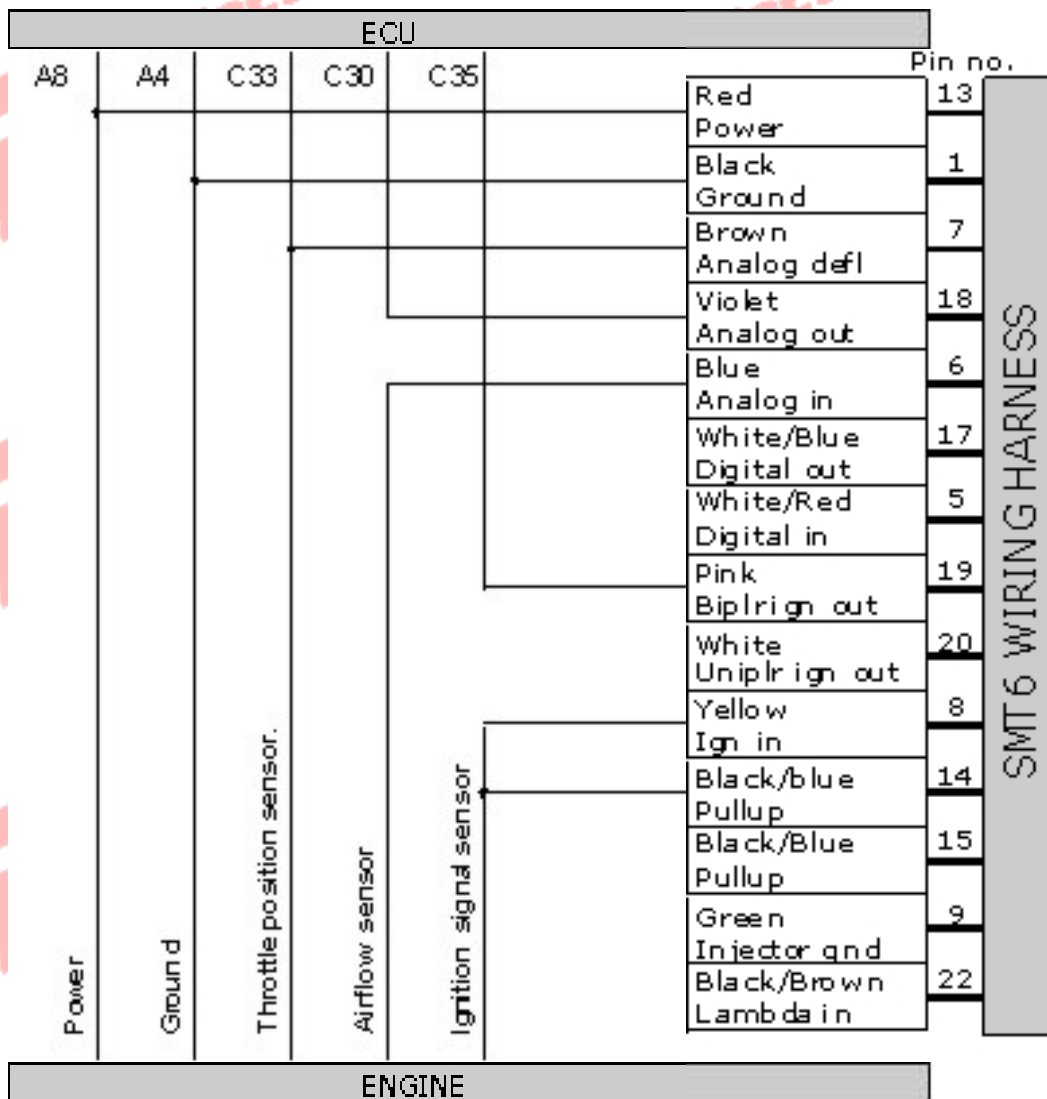
Vehicle make: BMW

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ECU Pin Out



Wiring Diagram



Global Settings

Cylinders 4
 Teeth per turn (incl miss) 60
 Teeth per firing 30
 Modes 1
 System Config
 Positive input pol ON
 Positive output pol ON
 Low level input OFF

Click [here](#) for an explanation on how to use the global settings.