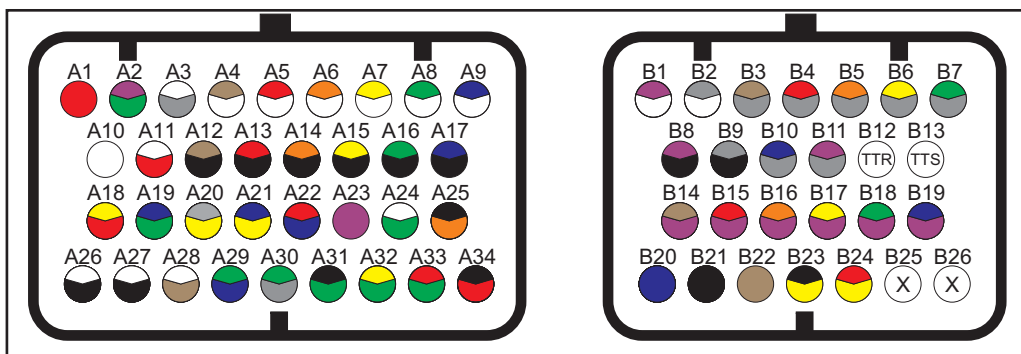


## Main Connector - Male Pin View

Internal MAP Sensor  
Vacuum/Boost Port Input  
(Maximum Boost  
Pressure 30 PSI)



### Colour Guide:

- Injectors: WHITE Base
  - Ignition: BLACK Base
  - AuxLS: GREY Base
  - AuxHL: VIOLET Base
- 
- 1: BROWN Stripe
  - 2: RED Stripe
  - 3: ORANGE Stripe
  - 4: YELLOW Stripe
  - 5: GREEN Stripe
  - 6: BLUE Stripe
  - 7: VIOLET Stripe
  - 8: GREY Stripe

### Colour Names:

- WHI : WHITE
- BLK : BLACK Base
- BRN: BROWN
- RED : RED
- ORN : ORANGE
- YEL : YELLOW
- GRN : GREEN
- BLU : BLUE
- VIO : VIOLET
- GRY : GREY

	PIN	PIN NAME	DESCRIPTION
● RED	A1	+12V Input	+12V Input
● GRN/VIO	A2	A/C Request Input	Air Conditioner Compressor Clutch Sense
● GRY/WHI	A3	Idle Air (PWM)	Output (Low Side Driver 1.1A Max)
● WHI/BRN	A4	Injector Output 1	Min Injector Impedance 0.5 Ohms
● WHI/RED	A5	Injector Output 2	Min Injector Impedance 0.5 Ohms
● WHI/ORG	A6	Injector Output 3	Min Injector Impedance 0.5 Ohms
● WHI/YEL	A7	Injector Output 4	Min Injector Impedance 0.5 Ohms
● WHI/GRN	A8	Injector Output 5	Min Injector Impedance 0.5 Ohms
● WHI/BLU	A9	Injector Output 6	Min Injector Impedance 0.5 Ohms
○ WHITE	A10	Fuel Pump Output	Low Side Driver 1.1A Max
● RED/WHI	A11	Boost Control Output (PWM)	Low Side Driver 1.1A Max
● BLK/BRN	A12	Ignition Output 1	Low Side Driver 2.2A Max
● BLK/RED	A13	Ignition Output 2	Low Side Driver 2.2A Max
● BLK/ORG	A14	Ignition Output 3	Low Side Driver 2.2A Max
● BLK/YEL	A15	Ignition Output 4	Low Side Driver 2.2A Max
● BLK/GRN	A16	Ignition Output 5	Low Side Driver 2.2A Max
● BLK/BLU	A17	Ignition Output 6	Low Side Driver 2.2A Max
● RED/YEL	A18	+5V Engine Sensors Output	0.2A Max
● GRN/BLU	A19	Throttle Position Sensor Input	Potentiometer or Switch Type
● YEL/GRY	A20	Engine Temperature Sensor Input	NTC Resistor Type
● YEL/BLU	A21	Air Temperature Sensor Input	NTC Resistor Type
● BLU/RED	A22	Sensor Ground	Sensor Ground
● VIO	A23	Tacho Output	Low Side Driver 1.1A Max
● GRN/WHI	A24	Thermofan Output	Low Side Driver 1.1A Max
● ORN/BLK	A25	RS232 RXD	ECU to PC Communications
● BLK/WHI	A26	Power Ground	Connect to Chassis Ground or Battery Neg
● BLK/WHI	A27	Power Ground	Connect to Chassis Ground or Battery Neg
● BRN/WHI	A28	Trigger Reference Signal Input	Reluctor - Falling Edge, Hall - Rising or Falling
● BLU/GRN	A29	Trigger Reference Signal Ground	Signal Ground
● GRY/GRN	A30	Trigger Sync Signal Input	Reluctor - Falling Edge, Hall - Rising or Falling
● GRN/BLK	A31	Oxygen Sensor 1 Signal Input	Narrow Band or LSU-4 Wideband Sensor
● GRN/YEL	A32	Oxygen Sensor 1 Signal Ground	Narrow Band or LSU-4 Wideband Sensor
● GRN/RED	A33	Oxygen Sensor 1 Pump (UEGO) Output	LSU-4 Sensor Only
● RED/BLK	A34	RS232 TXD	ECU to PC Communications

	PIN	PIN NAME	DESCRIPTION
● WHI/VIO	B1	Injector Output 7	Min Injector Impedance 0.5 Ohms
● WHI/GRY	B2	Injector Output 8	Min Injector Impedance 0.5 Ohms
● GRY/BRN	B3	Aux LS1	Low Side Driver 2.2A Max
● GRY/RED	B4	Aux LS2	Low Side Driver 2.2A Max
● GRY/ORN	B5	Aux LS3	Low Side Driver 3A Max
● GRY/YEL	B6	Aux LS4	Low Side Driver 1A Max
● GRY/GRN	B7	Aux LS5	Low Side Driver 1A Max
● BLK/VIO	B8	Ignition Output 7	Low Side Driver 2.2A Max
● BLK/GRY	B9	Ignition Output 8	Low Side Driver 2.2A Max
● GRY/BLU	B10	Aux LS6	Low Side Driver 1A Max
● GRY/VIO	B11	Aux LS7	Low Side Driver 1A Max
○ TTR	B12	Turbo Timer Relay (TTR) Output - Aux LS8	Low Side Driver 2.2A Max
○ TTS	B13	Turbo Timer Sense (TTS) Input - Aux LS9	Low Side Driver 2.2A Max
● VIO/BRN	B14	Aux HL1	High Side/Low Side Driver 1A Max
● VIO/RED	B15	Aux HL2	High Side/Low Side Driver 1A Max
● VIO/ORN	B16	Aux HL3	High Side/Low Side Driver 1A Max
● VIO/YEL	B17	Aux HL4	High Side/Low Side Driver 1A Max
● VIO/GRN	B18	Aux HL5	High Side/Low Side Driver 1A Max
● VIO/BLU	B19	Aux HL6	High Side/Low Side Driver 1A Max
● BLU	B20	+5V Aux Output	0.2A Max
● BLK	B21	MAP/MAF Sensor Input	0 - 5V Sensor Output
● BRN	B22	+8V Aux Output	0.5A Max
● YEL/BLK	B23	Oxygen Sensor 2 Signal Input	Narrow Band or LSU-4 Wideband Sensor
● YEL/RED	B24	Oxygen Sensor 2 Pump (UEGO) Output	Narrow Band or LSU-4 Wideband Sensor
○ X	B25	Not Used	Not Used
○ X	B26	Not Used	Not Used

Wolf V500 Wiring Diagram

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Rev 001

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