

12V From Ignition Relay

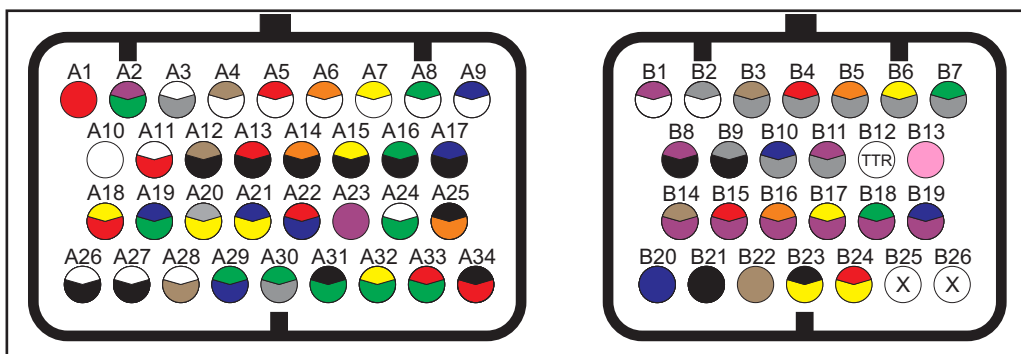
To be added by installer if a Wolf Turbo Timer Option is being used

Wolf Sensor Ground Pin A22

NOTES:
 The signal direction of each pin is shown by:
 ▲ - Input ▼ - Output ◆ - Input/Output

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
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- 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	Thermostat 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		
○ 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	Aux LS8	Low Side Driver 2.2A Max
○ PINK	B13	12V input power sense	senses for ignition power on this pin
○ 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	Ignition Relay (for stepper motor control)	
○ X	B25	Dash board control comms	
○ X	B26	Not Used	Not Used

Wolf V550 Wiring Diagram

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Rev 001

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