



MegaSquirt Relay Board Wire Coloring

With VR Crank Trigger and Wasted Spark

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Label	✓	Wire Color	Wire Size	Description
Inj2		Light Green	18	Cylinder 1 - Paired with Cylinder 2
Inj2		Dark Green	18	Cylinder 4 - Paired with Cylinder 3
Inj1		Light Blue	18	Cylinder 3
Inj1		Dark Blue	18	Cylinder 2
FP		Red	16	Fuel Pump Output
Fidle		User Defined	-	Option 1 - AutoMeter Dash Tach Standard as of 2015
S1				Option 2
S2				Option 3
S3				Option 4
S4		Brown	18	Coil 2 output (Fires Cylinders 2+4)
S5		Tan	18	Coil 1 output (Fires Cylinders 1+3)
Vref		Yellow	20	TPS 5 Volt Feed
Tps		Orange	20	TPS 0-5 Volt Signal
Tps Ret		Black	20	TPS Ground
		Green	20	VR Crank Sensor Ground
		Black	20	VR Shield - Leave Open or Chassis Ground if Noise in Signal
Tach		Red	20	VR Crank Sensor Signal
MAT		Orange	20	Air Temp Signal
MAT Ret		Black	20	Air Temp Ground
CLT		Yellow	20	Coolant Signal (Place Copper Lug Under Cylinder #3 Head Tin Bolt)
CLT Ret		Black	20	Coolant Temp Ground
02		Brown	20	LC-1 Wideband Datalog Output
		Yellow	20	LC-2 Wideband Datalog Output
Inj 12v		Red	18	Injector 1
		Red	18	Injector 4
		Red	18	Injector 3
		Red	18	Injector 2
12v BATT		Red	12	<- Direct from Battery
12v Switch		Red	14	<- From Factory Coil Wire or Hot While Key is in Run and Crank Positions
		Red	16	Power -> New Ignition Coil
Engine GND		Black	12	<- Ground from Battery
		Black	16	Ground -> Fuel Pump

If you are not running resistor spark plugs you will need to upgrade to reduce electrical noise

- 1) Dotted outlines refer to twisted pairs
- 2) Fields with multiple white or grey imply a common connection
- 3) Injector pairing = 1+4 and 3+2 for alternating squirts

