

Tabel 1

Prefab Wiringloom Essential	2x VR	BS-AutoTune					
<b>Relay</b>	Relay 1	Main relay		PWM F-Idle valve (Idle	Red	Supply (from fuse 5)	0,75mm2
	Relay 2	Safety / Fuel pump relay			DarkGreen/Orange	Valve open	0,75mm2
<b>Fuse</b>	Fuse 1	EFIgnition ECU	2A	Stepper motor (Idle	Grey-Red	H-Bridge 1A	0,75mm2
	Fuse 2	Not used	5A		Grey-Black	H-Bridge 1B	0,75mm2
	Fuse 3	Wideband	5A		Grey-Yellow	H-Bridge 2A	0,75mm2
	Fuse 4	Accessoiry	5A		Grey-Blue	H-Bridge 2B	0,75mm2
	Fuse 5	Accessoiry	5A	Lambda sensor	Purple-red	Supply (from fuse 3) (to RED 14pin7 Spartan2)	0,75mm2
	Fuse 6	Ignition Coils	10A	4P superseal connector	Black	Hard ground (to WHITE 14pin7 Spartan2)	0,75mm2
	Fuse 7	Injectors	10A		Purple-White	0-5V sensor input (to GREEN 14pin7 Spartan2)	0,75mm2
	Fuse 8	Fuel Pump	15A		Purple-Black	Sensor ground (to BLACK 14pin7 Spartan2)	0,75mm2
<b>Main connections (Power)</b>	Red	Battery plus	2,5mm2	Sensors	Yellow	Sensor signal coolant temperature	0,75mm2
	Black	Engine ground	2,5mm2		Black-Yellow	Sensor ground coolant temperature	0,75mm2
	Red-Blue	Switched supply	0,75mm2		Orange	Sensor signal intake air temperature	0,75mm2
	Blue	Fuel Pump (from fuse 8)	1,5mm2		Black-Orange	Sensor ground intake air temperature	0,75mm2
<b>Injectors</b>	Light-Green	Supply injectors (fuse 7)	1,5mm2		Blue-Red	5V supply TPS - 5V Supply MAP	0,75mm2
	Light-Green/White	Injector channel 1 (cyl.1)	1mm2		Blue-Yellow	Signal MAP	0,75mm2
	Light-Green/Pink	Injector channel 2 (cyl.3)	1mm2		Blue-White	Signal TPS	0,75mm2
	Light-Green/Purple	Injector channel 3 (cyl.4)	1mm2		Blue-Black	Sensor ground TPS / MAP	0,75mm2
	Light-Green/Black	Injector channel 4 (cyl.2)	1mm2	Crank position sensor	Grey shielded	Inductive / VR: Brown+ / White- / Shield	
<b>Ignition coils</b>	Purple 1,5mm2	Ignition coil supply (from fuse 6)	1,5mm2	CAM position sensor	Blue shielded	Inductive / VR: Pin1+ / Pin2- / Shield	
	White (0,75mm2)	Channel 1	0,75mm2	Crank position sensor	Grey shielded	HALL: Brown:12V / White:Signal / shield:Ground	
	Grey (0,75mm2)	Channel 2	0,75mm2	CAM position sensor	Blue shielded	HALL: Pin1:12V / Pin2:Signal / shield:Ground	
	Pink (0,75mm2)	Channel 3 or Programmable out LED 15 on pin 15	0,75mm2				
	Brown (0,75mm2)	Channel 4 or Programmable out JS11 on pin 16	0,75mm2				
	Green	Channel 5 or Tacho-out (12V / 60mA)	0,75mm2				