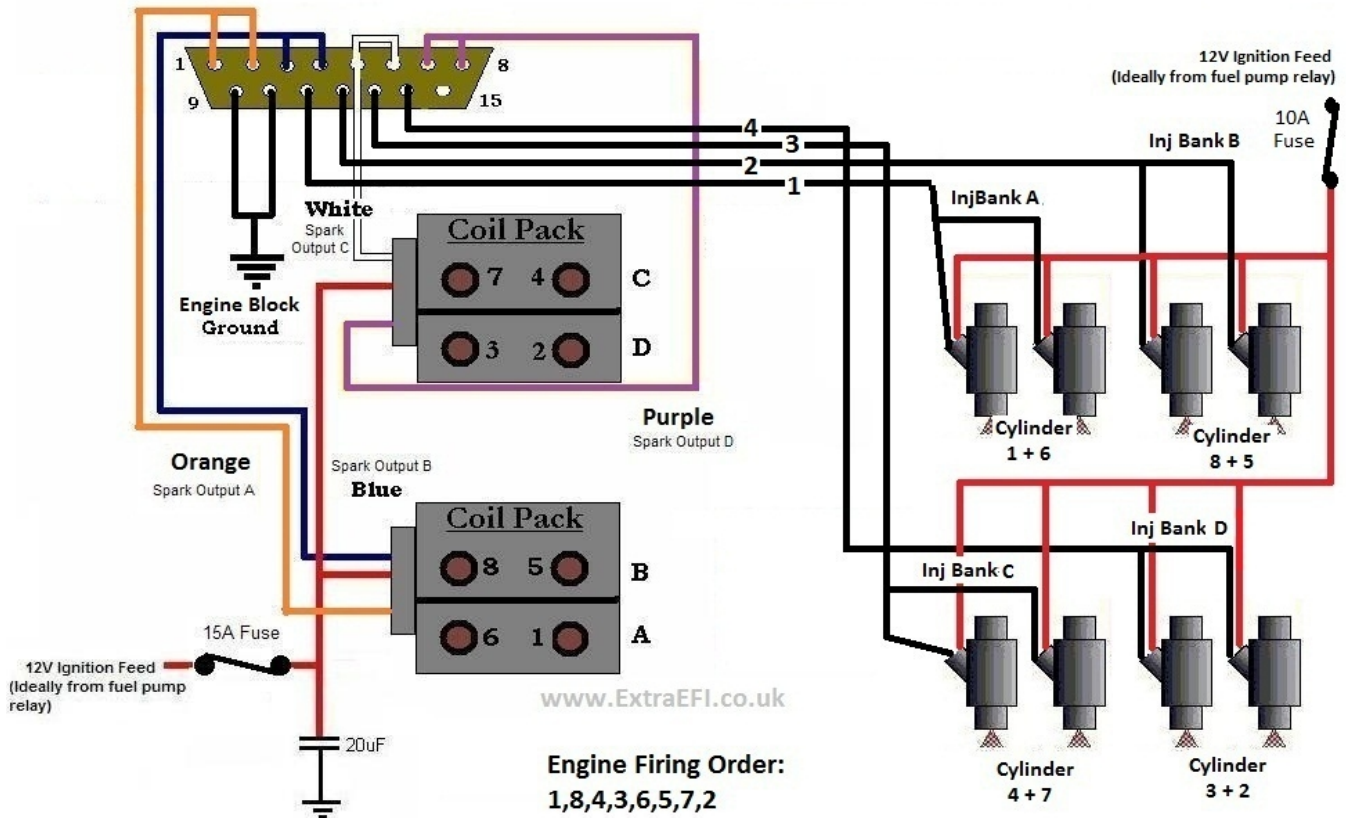




## 8 Cylinder Semi-Sequential Fuel and Wasted Spark Wiring Diagram



Engine Firing Order:  
1,8,4,3,6,5,7,2

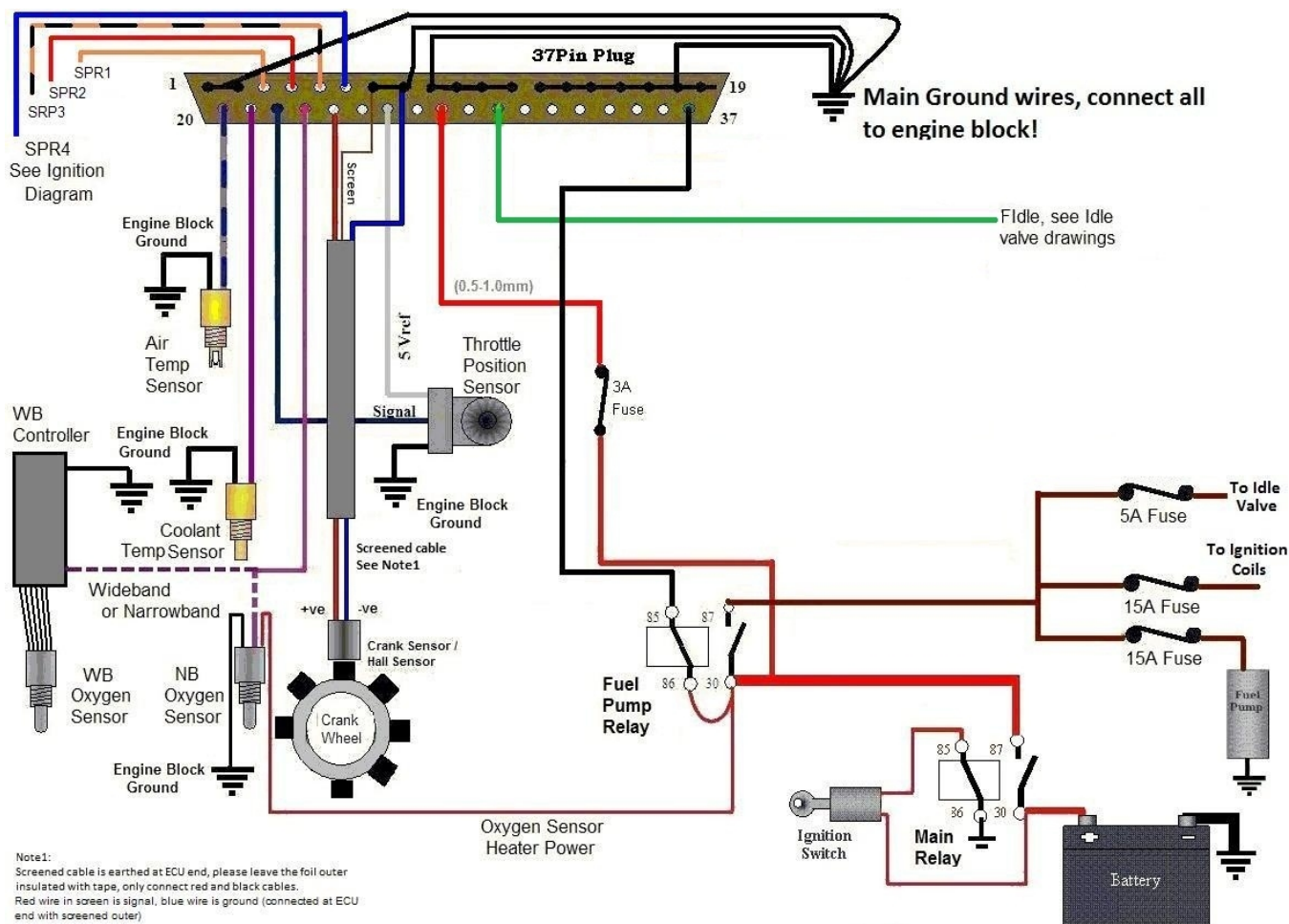
ECU Firing Order:  
InjBank: A, B, C, D.  
Spark A,B,C,D

Connect Coil packs to pairs:  
1+6 8+5 4+7 3+2  
A B C D

connect injectors on cylinders:  
1+6 8+5 4+7 3+2  
A B C D

Ideally wire the 12V feed to the coil pack from the fuel pump relay.

Ensure the Capacitor is wired in as close to the coil as possible.  
Ground it to the engine block.



Grey/Blue - Air Temperature Sensor  
 Purple - Coolant Temperature Sensor  
 Blue - Throttle Position Switch Signal  
 Pink - Oxygen Sensor  
 Grey - 5 Volts for TPS

Black - Fuel Pump Relay  
 Green - Idle Valve  
 Red - +12V Ignition Feed (0.5-1.0mm)  
 Black - Ground (0.5-1.0mm)

Orange (0.5-1.0mm) Spark A  
 Blue (0.5-1.0mm) Spark output B or SPR4

Orange (thin 0.2mm) SPR1  
 Red (thin 0.2mm) SPR2  
 Orange/Blk (thin 0.2mm) SPR3  
 Blue (Thick 0.5-1.0mm) SPR4  
 The SPR connections are used for options etc, see the bottom of your ECU for details.

All cables from MS ECU Loom are 0.2mm unless otherwise stated

#### Note1:

Screened cable is earthed at the MS ECU end of the loom. Please leave this screen insulated at the sensor end, simply connect the red and blue cables within the screened cable to the VR / hall sensor.

The diagram shows the fuel pump relay providing power to the ignition coil, idle valve, etc. This is a good idea to protect the ECU whilst setting it up as power only gets to the drive components when the ECU sees an RPM.

**Ensure ALL grounds go back to the engine block!!!**

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